

```

1 AGGGTTGCCC CTAGTTTGAG GCCTGCCCCG TTACCCGCAA GACTTGGGCA
51 GCCCCGGGCG CCGCTCCGAC CACGACAGGG AAAGGAACTG ACCAACACTG
101 GATGAATTTG ACCATTTCTT AGGAGACTGG AATGTTAAGT TTCTATAAAT
151 GAATGAACCA GTTCTCTCTT GTTTGGAGCA ATGCTGAAAT TCCAAGAGGC
201 AGCTAGGTGT GTGAGTGGAT CAACAGCCAT TTCCACTTAT CCAAAGACCT
251 TGATTGCAAG AAGATACGTG CTTCAACAAA AACTTGGCAG TGGAGTTTT
301 GGAAGTGTCT ATCTGGTTTC AGACAAGAAA GCCAAACGAG GAGAGGAATT
351 AAAGTACTT AAGGAAATAT CTGTTGGAGA ACTAAATCCA AATGAAACTG
401 TACAGGCCAA TTTGGAAGCC CAACTCCTCT CCAAGCTGGA CCACCCAGCC
451 ATTGTCAAGT TCCAATGCAAG TTTGTGGAG CAAGATAATT TCTGCATTAT
501 CACGGAGTAC TGTGAGGGCC GAGATCTGGA CGATAAAAT CAGGAATATA
551 AACAAGCTGG AAAAATCTTT CCAGAAAATC AAATAATAGA ATGGTTTATC
601 CAGCTGCTGC TGGGAGTTGA CTACATGCAT GAGAGGAGGA TACTTCATCG
651 AGACTTAAAG TCAAAGAATG TATTTCTGAA AAATAATCTC CTTAAAATTG
701 GAGATTTTGG AGTTTCTCGA CTTCTAATGG GATCCTGTGA CCTGGCCACA
751 ACTTTAACTG GAACTCCCCA TTATATGAGT CCTGAGGCTC TGAAACACCA
801 AGGCTATGAC ACAAAGTCGG ACATCTGGTC ACTGGCATGC ATTTTGTATG
851 AGATGTGCTG CATGAATCAT GCATTGCTG GCTCCAATTT CTTATCCATT
901 GTTTTAAAAA TTGTTGAAGG TGACACACCT TCTCTCCCTG AGAGATATCC
951 AAAAGAACTA AATGCCATCA TGGAAGCAT GTTGAACAAG AATCCTTCAT
1001 TAAGACCATC TGCTATCGAA ATTTTAAAAA TCCCTTACCT TGATGAGCAG
1051 CTACAGAACC TAATGTGTAG ATATTAGAA ATGACTCTGG AAGACAAAAA
1101 TTTGATTTGT CAGAAGGAGG CTGCTCATAT AATTAATGCC ATGCAAAAAA
1151 GGATCCACCT GCAGACTCTG AGGGCACTGT CAGAAGTACA GAAATGACG
1201 CCAAGAGAAA GGATGCGGCT GAGGAAGCTC CAGGCGGCTG ATGAGAAAAGC
1251 CAGGAAGCTG AAAAAGATTG TGGAAGAAA ATATGAAGAA AATAGCAAAC
1301 GAATGCAAGA ATTGAGATCT CGGAACTTTC AGCAGCTGAG TGTTGATGTA
1351 CTCCATGAAA AAACACATTT AAAAGGAATG GAAGAAAAGG AGGAGCAACC
1401 TGAGGGAAGA CTTTCTTGTT CACCCAGGA CGAGGATGAA GAGAGGTGGC
1451 AAGGCAGGGA AGAGGAATCT GATGAACCAA CTTTAGAGAA CCTGCCTGAG
1501 TCTCAGCCTA TTCCTTCCAT GGACCTCCAC GAACCTGAAT CAATTGTAGA
1551 GGATGCCACA TCTGACCTTG GATACCATGA GATCCCAGAA GACCCACTTG
1601 TGGCTGAAGA GTACTACGCT GATGCATTTG ATTCCTATTG TGTAGAGAGT
1651 GATGAGGAGG AAGAAGAAAT AGCGTTAGAA AGACCAGAGA AAGAAATCAG
1701 GAATGAGGGA TCCCAGCCTG CTTACAGAAC AAACCAACAG GACAGTGATA
1751 TCGAAGCGTT GGCCAGGTGT TTGAAAATG TCCTGGGTG CACTTCTCTA
1801 GACACAAGA CATCACAC CATTGCTGAA GACATGTCCC CAGGACCACC
1851 AATTTTCAAC AGTGTGATGG CCAGGACCAA GATGAAACGC ATGAGGGAAT
1901 CAGCCATGCA GAAGCTGGGG ACAGAAGTAT TTGAAGAGGT CTATAATTAC
1951 CTCAAGAGAG CAAGGCATCA GAATGCTAGC GAAGCAGAGA TCCGCGAGTG
2001 TTTGGAAAAA GTGGTGCCTC AAGCCAGCGA CTGTTTGA GTGGACCAGC
2051 TCCTGTACTT TGAAGAGCAG TTGCTGATCA CGATGGGAAA AGAACCTACT
2101 CTCCAGAACC ATCTCTAGGC AACTATCAA AAGAAGCAGA AGTTCAAGTG
2151 GACAAATTTA TGTGAAAATT CATTTAACAT ATAAGCTGAA CTCTATTATG
2201 GGAATGGAT ACAAAGCAG AGCTCCCATC TTGACTTTCA ATTCTCATC
2251 AGAAGTACTG GCTTCTTTAG AGAGTAGTAA GCATGGCTGC CTATGCTTGG
2301 AGTCATAAGT GTTATTTGGA CTATACCCTG AGATAAGCTT ATAGATCAAG
2351 TTTGGCTCCC TTGAAAAGCA TTTCTCTCAT GTGCGCCCTC AGGGCTTCCA
2401 GCAGGATTGA GTCACCCTGA CGATGACCGG GGAGAAGCCG TGTGCTCTTC
2451 ATTATTTTCA GCTGGAGGAC AGAGCTCAGT GCCTGACTGC CTAGGGTCTC
2501 ATGGACTGTA GGCAGCCTGC CAGTGAAGGT CACTGGACTC TAGCCTACAA
2551 CATGCTGAGC TACAGCCCAG AAGCCAGACA TGCCTGTCTT AGCTGACCTG
2601 TTTTTGGTCC ACTTTTGCCC TTCCATGACT AATAAGGAAG ATATGTGTGT
2651 ATTTCATACA CACACAAGGA CCTGGATTAA AAATCCAAAA AGTGATTCTC
2701 TTCTATGATT TATTTCAAAC TCATCCATAG ATAATTCAAG ATTTGTATTC
2751 AAAATAAACA TAGTTTTCAC AGTTACAAAA TAAAAAATAA ATTTTATCTT
2801 TAAAAAATAA AAAAAAATAA AAAAAAATAA AAAAAAATAA AAAAAAATAA
2851 AAAAAAATAA AAAAAAATAA

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FIGURE 1, page 1 of 2

FEATURES:

5'UTR: 1 - 180
Start Codon: 181
Stop Codon: 2116
3'UTR: 2119

Homologous proteins:

Top 10 BLAST Hits

	Score	E
gi 10440202 dbj BAB15672.1 (AK027148) unnamed protein product ...	940	0.0
gi 4507277 ref NP_003148.1 serine/threonine kinase 2; Serine/t...	232	1e-59
gi 7522642 pir JC7122 serine (threonine) protein kinase (EC 2....	226	1e-57
gi 6754822 ref NP_035979.1 NIMA-related expressed kinase 4 [Mu...	226	1e-57
gi 2570047 emb CAA70436.1 (Y09234) MSTK2S kinase-like protein ...	226	1e-57
gi 1709251 sp P51954 NEK1_MOUSE SERINE/THREONINE-PROTEIN KINASE...	225	2e-57
gi 9297022 sp Q9R0A5 NEK3_MOUSE SERINE/THREONINE-PROTEIN KINASE...	220	4e-56
gi 6754820 ref NP_035978.1 NIMA-related expressed kinase 3 [Mu...	218	2e-55
gi 1709253 sp P51956 NEK3_HUMAN SERINE/THREONINE-PROTEIN KINASE...	206	1e-51
gi 9294413 dbj BAB02494.1 (AB025629) kinase-like protein [Arab...	203	6e-51

BLAST to dbEST:

	Score	E
gi 9334037 /dataset=dbest /taxon=960...	1132	0.0
gi 1471842 /dataset=dbest /taxon=9606 ...	831	0.0
gi 1690632 /dataset=dbest /taxon=9606 ...	749	0.0
gi 2017477 /dataset=dbest /taxon=9606 ...	385	e-104
gi 2070694 /dataset=dbest /taxon=9606 ...	351	4e-94
gi 10194753 /dataset=dbest /taxon=960...	337	5e-90

EXPRESSION INFORMATION FOR MODULATORY USE:

library source:

Expression information from BLAST dbEST hits:

gi|9334037 Uterus
gi|1471842 Fetal heart
gi|1690632 Colon
gi|2017477 Pineal gland
gi|2070694 Testis
gi|10194753 Nervous_tumor

Expression information from PCR-based tissue screening panels:

Human Brain
Human fetal brain
Human heart
Human Kidney
Human uterus
Human placenta
Human small intestine
Human testis
Human skeletal muscle

1 MLKFQEAARC VSGSTAISTY PKTLIARRYV LQQLGSGSF GTVYLVSDKK
 51 AKRGEELKVL KEISVGELNP NETVQANLEA QLLSKLDHPA IVKFHASFVE
 101 QDNFCIITEY CEGRDLDDKI QEYKQAGKIF PENQIIEWFI QLLLGVGYMH
 151 ERRILHRDLK SKNVFLKNNL LKIGDFGVSF LLMGSCDLAT TLTGTPHYMS
 201 PEALKHQGYD TKSDIWSLAC ILYEMCCMNH AFAGSNFLSI VLKIVEGDTP
 251 SLPERYPKEL NAIMESMLNK NPSLRPSAIE ILKIPYLDEQ LQNLMCRYSE
 301 MTLEDKNLDC QKEAAHIINA MQKRIHLQTL RALSEVQKMT PRERMRLRKL
 351 QAADEKARKL KKIVEEKYEE NSKRMQELRS RNFAQLSVDV LHEKTHLKGM
 401 EEKEEQPEGR LSCSPQDEDE ERWQGREEES DEPTLENLPE SQPIPSMDLH
 451 ELESIVEDAT SDLGYHEIPE DPLVAEEYYA DAFDSYCVES DEEEEEIALE
 501 RPEKEIRNEG SQPAYRTNQQ DSDIEALARC LENVLGCTSL DTKTITTMAE
 551 DMSPGPPIFN SVMARTMKMR MRESAMQKLG TEVFEEVYNY LKRARHQNAS
 601 EAEIRECLEK VVPQASDCFE VDQLLYFEEQ LLITMGKEPT LQNHL

FEATURES:

Functional domains and key regions:

[1] PDOC00001 PS00001 ASN_GLYCOSYLATION
 N-glycosylation site

Number of matches: 2

1	71-74	NETV
2	598-601	NASE

[2] PDOC00005 PS00005 PKC_PHOSPHO_SITE
 Protein kinase C phosphorylation site

Number of matches: 5

1	47-49	SDK
2	273-275	SLR
3	329-331	TLR
4	340-342	TPR
5	372-374	SKR

[3] PDOC00006 PS00006 CK2_PHOSPHO_SITE
 Casein kinase II phosphorylation site

Number of matches: 15

1	64-67	SVGE
2	84-87	SKLD
3	97-100	SFVE
4	211-214	TKSD
5	251-254	SLPE
6	277-280	SAIE
7	302-305	TLED
8	340-343	TPRE
9	414-417	SPQD
10	454-457	SIVE
11	490-493	SDEE
12	522-525	SDIE
13	538-541	TSLD
14	547-550	TMAE
15	600-603	SEAE

[4] PDOC00007 PS00007 TYR_PHOSPHO_SITE
 Tyrosine kinase phosphorylation site

361-368 KKIVEEKY

[5] PDOC00008 PS00008 MYRISTYL
 N-myristoylation site

Number of matches: 2

1 38-43 GSFGTV
2 510-515 GSQPAY

[6] PDOC00299 PS00342 MICROBODIES_CTER
Microbodies C-terminal targeting signal

643-645 NHL

[7] PDOC00100 PS00108 PROTEIN_KINASE_ST
Serine/Threonine protein kinases active-site signature

154-166 ILHRDLKSKNVFL

Membrane spanning structure and domains:

Helix	Begin	End	Score	Certainty
1	231	251	0.781	Putative

BLAST Alignment to Top Hit:

>gi|10440202|dbj|BAB15672.1| (AK027148) unnamed protein product [Homo sapiens]
Length = 463

Score = 940 bits (2404), Expect = 0.0
Identities = 463/463 (100%), Positives = 463/463 (100%)
Frame = +1

Query: 727 MGSCDLATTLTGTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL 906
MGSCDLATTLTGTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL
Sbjct: 1 MGSCDLATTLTGTPHYMSPEALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVL 60

Query: 907 KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMT 1086
KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMT
Sbjct: 61 KIVEGDTPSLPERYPKELNAIMESMLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMT 120

Query: 1087 LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADKARKLKK 1266
LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADKARKLKK
Sbjct: 121 LEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEVQKMTPRERMRLRKLQAADKARKLKK 180

Query: 1267 IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRLSCSPQDEDEER 1446
IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRLSCSPQDEDEER
Sbjct: 181 IVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGMEKEEQPEGRLSCSPQDEDEER 240

Query: 1447 WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYHEIPEDPLVAEEYYADA 1626
WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYHEIPEDPLVAEEYYADA
Sbjct: 241 WQGREEESDEPTLENLPESQPIPSMDLHELESIVEDATSDLGYHEIPEDPLVAEEYYADA 300

Query: 1627 FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQSDIEALARCLENVLGCTSLDT 1806
FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQSDIEALARCLENVLGCTSLDT
Sbjct: 301 FDSYCVESDEEEEEIALERPEKEIRNEGSQPAYRTNQQSDIEALARCLENVLGCTSLDT 360

Query: 1807 KTITTTMAEDMSPGPPIFNVMARTKMKRMRESAMQKLGTEVFEEVYNLKRARHQNSEA 1986
KTITTTMAEDMSPGPPIFNVMARTKMKRMRESAMQKLGTEVFEEVYNLKRARHQNSEA
Sbjct: 361 KTITTTMAEDMSPGPPIFNVMARTKMKRMRESAMQKLGTEVFEEVYNLKRARHQNSEA 420

Query: 1987 EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQNLH 2115
EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQNLH
Sbjct: 421 EIRECLEKVVPQASDCFEVDQLLYFEEQLLITMGKEPTLQNLH 463

>gi|4507277|ref|NP_003148.1| serine/threonine kinase 2;
Serine/threonine protein kinase-2 [Homo sapiens]
>gi|1709347|sp|P51957|STK2_HUMAN SERINE/THREONINE-PROTEIN
KINASE NRK2 (SERINE/THREONINE KINASE 2)
>gi|7427997|pir||I78885 serine/threonine-specific protein
kinase (EC 2.7.1.-) STK2 - human
>gi|348245|gb|AAA36658.1| (L20321) protein
serine/threonine kinase [Homo sapiens]
Length = 841

Score = 232 bits (586), Expect = 1e-59
Identities = 114/263 (43%), Positives = 174/263 (65%), Gaps = 2/263 (0%)
Frame = +1

Query: 265 YVLQQKLGSGSFGTVYLVSDKKAKEELKVLKEISVGELNPNETVQANLEAQLLSKLDH 444
Y + +G GS+G V LV K +R + V+K++++ + E A EAQLLS+L H
Sbjct: 6 YCYLRVVGKGSYGEVTLV---KHRRDGKQYVIKKLNLNASSRERRAAEQEAQLLSQLKH 62

Query: 445 PAIVKFHASFVEQDNFC-IITEYCEGRDLDKIQEYKQAGKIFPENQIIEWFIQLLLGVD 621
P IV + S+ D I+ +CEG DL K++E K G++ PENQ++EWF+Q+ + +
Sbjct: 63 PNIVTYKESWEGGDGLLYIVMGFCEGGDLYRKLKEQK--GQLLPENQVVEWVQIAMALQ 120

Query: 622 YMHERRILHRDLKSKNVFL-KNNLLKIGDFGVSRLLMGSCDLATTLTGTPHYMSPEALKH 798
 Y+HE+ ILHRDLK++NVFL + N++K+GD G++R+L CD+A+TL GTP+YMSPE +
 Sbjct: 121 YLHEKHILHRDLKTQNVFLTRTNIIKVGDLGIARVLENHCDMASTLIGTPYYMSPELFSN 180

Query: 799 QGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVLKIVEGDTPSLPERYPKELNAIMES 978
 + Y+ KSD+W+L C +YEM + HAF + S+V +I+EG P++P Y EL ++ +
 Sbjct: 181 KPYNYKSDVWALGCCVYEMATLKHAFAKDMNSLVYRIIEGKLPAMPRDYSPELAELIRT 240

Query: 979 MLNKNPSLRPSAIEILKIPYLDEQL 1053
 ML+K P RPS IL+ PY+ Q+
 Sbjct: 241 MLSKRPEERPSVRSILRQPYIKRQI 265

>gi|7522642|pir||JC7122 serine (threonine) protein kinase (EC
 2.7.1.37) 2 - mouse >gi|4138209|emb|CAA11072.1|
 (AJ223071) serine/threonine kinase protein
 MSTK2L, long-form [Mus musculus]
 Length = 792

Score = 226 bits (569), Expect = 1e-57
 Identities = 135/405 (33%), Positives = 227/405 (55%), Gaps = 21/405 (5%)
 Frame = +1

Query: 265 YVLQQKLGSGSFGTVYLVSDKKAKRGEELKVLKEISVGELNPNETVQANLEAQLLSKLDH 444
 Y + +G GS+G V LV K +R + V+K++++ + E A EAQLLS+L H
 Sbjct: 6 YCYMRVVGRGSYGEVTLV---KHRRDGGKQYVIKKLNLNRNASSRERRAAEQEAQLLSQLKH 62

Query: 445 PAIVKFHASFVEQDNFC-IITEYCEGRDLDDKIQEYKQAGKIFPENQIIWFQIQLLLGVD 621
 P IV + S+ D I+ +CEG DL K++E K G++ PE+Q++EWF+Q+ + +
 Sbjct: 63 PNIVTYKESWEGGDGLLYIVMGFCEGGDLRKLKEQK--GQLLPESQVVEWVFIAMALQ 120

Query: 622 YMHERRILHRDLKSKNVFL-KNNLLKIGDFGVSRLLMGSCDLATTLTGTPHYMSPEALKH 798
 Y+HE+ ILHRDLK++NVFL + N++K+GD G++R+L D+A+TL GTP+YMSPE +
 Sbjct: 121 YLHEKHILHRDLKTQNVFLTRTNIIKVGDLGIARVLENHGDMASTLIGTPYYMSPELFSN 180

Query: 799 QGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVLKIVEGDTPSLPERYPKELNAIMES 978
 + Y+ KSD+W+L C +YEM + HAF + S+V +I+EG P +P+ Y EL ++ +
 Sbjct: 181 KPYNYKSDVWALGCCVYEMATLKHAFAKDMNSLVYRIIEGKLPMPKVYSTELAEELIRT 240

Query: 979 MLNKNPSLRPSAIEILKIPYLDEQLQNLRCRYSEMTLEDKNLDCQKEAAHIIINAMQKRIH 1158
 ML++ P RPS IL+ PY+ + + T ++ +C A + + ++
 Sbjct: 241 MLSSRRPEERPSVRSILRQPYIKHHISLFLEATKAKTSKNNVKNCDSPRAKPVAAVVSRKEE 300

Query: 1159 LQTLRALSEVQKMTPRERMRLRKLQAADKARKLKKIVE-----EKYEENSKRMQELRS 1320
 T +V PR ++K +K V+ E Q++ +
 Sbjct: 301 SNT-----DVIHYQPRSSSEGSALHVMGEDKCLSQEKPDIGPLRSPASLEGHTGKQDMNN 355

Query: 1321 -----RNFAQLSVDVL--HEKTHLKGMEKEEQPEGRLSQSPQD-----EDEERWQGRE 1461
 ++++D+L + +E QP+ + D +++ER QG
 Sbjct: 356 TGESCATISRINIDILPAERRDSANAGVVQESQPDHVDAADEVDSQCSISQEKERLQGNT 415

Query: 1462 EESDEP 1479
 + SD+P
 Sbjct: 416 KSSDQP 421

Hammer search results (Pfam):

Model	Description	Score	E-value	N
PF00069	Eukaryotic protein kinase domain	290.0	3e-83	1
CE00022	CE00022 MAGUK_subfamily_d	25.8	1.6e-07	1
CE00359	E00359 bone_morphogenetic_protein_receptor	20.7	3.7e-05	1
CE00031	CE00031 VEGFR	17.6	2.1e-05	1

CE00203	CE00203	ERBB_RECEPTOR	16.1	0.0004	2
CE00220	E00220	ACTIVIN_RECEPTOR	8.3	0.082	1
CE00334	E00334	urotrophin_receptor	3.4	0.48	2
CE00204	CE00204	FIBROBLAST_GROWTH_RECEPTOR	1.9	6.1	1
CE00549	CE00549	NGFR	0.7	6.7	1
CE00292	CE00292	PTK_membrane_span	-7.9	1e-08	1
CE00287	CE00287	PTK_Eph_orphan_receptor	-16.2	3.4e-07	1
CE00286	E00286	PTK_EGF_receptor	-65.6	4e-07	1
CE00291	CE00291	PTK_fgf_receptor	-67.6	7.7e-05	1
CE00290	CE00290	PTK_Trk_family	-73.1	1.7e-10	1
CE00288	CE00288	PTK_Insulin_receptor	-203.0	0.0037	1
CE00016	CE00016	GSK_glycogen_synthase_kinase	-232.8	0.00088	1

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
CE00203	1/2	35	44 ..	746	755 ..	-2.5	60
CE00334	1/2	77	117 ..	588	628 ..	0.2	4.7
CE00220	1/1	154	170 ..	340	356 ..	8.3	0.082
CE00549	1/1	156	180 ..	706	731 ..	0.7	6.7
CE00334	2/2	156	180 ..	679	704 ..	3.2	0.57
CE00203	2/2	138	182 ..	845	890 ..	15.9	0.00046
CE00359	1/1	154	204 ..	272	327 ..	20.7	3.7e-05
CE00022	1/1	141	217 ..	129	211 ..	25.8	1.6e-07
CE00204	1/1	199	217 ..	706	724 ..	1.9	6.1
CE00031	1/1	134	225 ..	1047	1141 ..	17.6	2.1e-05
CE00291	1/1	29	282 ..	1	285 []	-67.6	7.7e-05
CE00290	1/1	30	285 ..	1	282 []	-73.1	1.7e-10
CE00287	1/1	29	285 ..	1	260 []	-16.2	3.4e-07
CE00292	1/1	29	285 ..	1	288 []	-7.9	1e-08
CE00286	1/1	29	286 ..	1	263 []	-65.6	4e-07
CE00288	1/1	29	287 ..	1	269 []	-203.0	0.0037
PF00069	1/1	29	287 ..	1	278 []	290.0	3e-83
CE00016	1/1	3	350 ..	1	433 []	-232.8	0.00088

1 GCTAAAGAGG GCTGGGACGT ACGTTCCGAA ATGGCTGCTG TCAGGCTAGG
 51 AAAGCTTGGC CCGCCGGTCC TCCTCTGCTT TCTCCGCTA CTGGGGTCGG
 101 CGAACACTTC CGCCTTGGTG CCGCCTCGCC CCGACTTCCC AGTATGCCCC
 151 GCGCCGTCTC CCTGGCCACG GTTCCAAACA GCCGTGGCCC GCGGTGTCTG
 201 GCGCTCGGTG GGTGTGGTTG CCCCTAGTTT GAGGCTGCC CGATTACCCG
 251 CAAGACTTGG GCAGCCCCGG GCGCCGCTCC GACCACGACA GGGAAAGGTA
 301 AAGCGAAGTG TGCTCCTTGG GGCTAGCCAG GCTCCCTGCG GAGGGGGAAG
 351 GTAATGGTTT CAAGCTGCCC GGGCTGGGTT CCGAATCTCT AGGACGCCAT
 401 GGCTGCGATC TCCTCGCTTT CCTGGACGTC TTACCTCCGG ATGTACTCCA
 451 GTCTCAGTGC CCCTCAATAA ACGTTAACCT GCTTTGCCAA AATGTAAATG
 501 TTTAAAAAGG TGAAGAAGCA AGGAATTGTT CGTTTTACCT TAAGGTTAAG
 551 ATTTACTTTA AAGGTAGATT TGTGCTGTAG CAGAACTGG TGACAAATTG
 601 CCTTCTCTT ATTACCTGGG AAGATAACTA CTGGTTTCA ACTGTGATA
 651 AATACTCCTT CCGTTGTCTT TTGCCCCCAG CCAGATCTGT TTCACCGAGA
 701 AGGGGTAGTT TGCACAAGGT AGTAACTTTC TCCAAGTCC CATCTAGCTT
 751 TCTTAACTAA CCTTTTTTCT CTCCTTTGGG CGGCAGTTGA TCTGCTGGAC
 801 ACTTACTTGC CTTAACAAGG TTTGTTAAAC ACCTAGTATA TGCCAGGAGG
 851 TATGCCAGGG ATTGGGGATG CAGAAATAAA GAAGATGTGT TCGCAGTGCC
 901 CAAGTTCAGT CAAACCTCGA GGGGGAGCGT GTTGTCAAGT GAACAGATAG
 951 TTCTAGAATC TAGACAATGC GACACATTCT TGGGTAGGTT TATGGTTGCG
 1001 CAGAGGAGAC TAATGGAATG GATGACCTAA AAGTGGACTG GGATGGGGGT
 1051 GGCAGGGCTG AGTCTGTGAG GGTGGGCGGG AGGGAACCTA GTCCAGAGT
 1101 CTTCTGACGC CTGGACCAGA CTACTTAAGC ACTGCTGGGT TTAGACTGTC
 1151 CTTTAAAATA AGAGCCGCTA GAAGTGAAGT TCTCATCTG TCCGTCCCTA
 1201 ATTCTGTCTT TCTCTAAAAG GAACCTTAAT CTCATCTTTA AAATAAGGAG
 1251 AATTACTGAG TGACCTGAAG GACCCTTTTC AGCTGGAAG TCTGTAAGTC
 1301 CATATATTTA TTTGAACAGC TTAGTATGGC CAGACGGCAT CACTTTTATG
 1351 ACAGTGAAGG GGAAGTAAAA ACAAAAGGTA TATTTAGAGG CTGCTCTCT
 1401 AGTTGTTTTT CCAGCAGATT TACTAACGT GTCTTTGGAA GGGAAAAGAA
 1451 AAAGCTGGTA ACTAATCTCA CTGGTATTAG GTACAACCTA ACTGATTCAT
 1501 ACATTTTAAG AAGGAAAATG TTGTAATGG GCATTTACTT ATGTTCTGTT
 1551 TTGAGGATTT TTGTGGTTAA TTGCCCTAGT AGTTTTGTG GTTGACGGAC
 1601 ACCACCAGT AAAGCCCAT TACCATCCTT AAAAAGTAGG TTTTGTCTC
 1651 ATAGCTTTGG AATTGTTGAA TATGAAAACC TAACCTCAAG GTGTAGGCAG
 1701 TTTTCAATTT AAAATGTTAT TTCTATATAG ATTTAAAACA AAAGCACACT
 1751 TTTCTTGATA ACTAACAAA CATTTAACAT TCTGATGAAA TAAAAGTGAT
 1801 TTTACTTTGT ACCTACTCAT ATGAAACAGT CCTGCCTTTC TTTTTTTTGT
 1851 TTTTGTTTTT GTTTTTGTTT TTGTTGAGAT GGAGTCTTAC TCTGTCGCCC
 1901 AGGCTGGAGT GCAGTGGCGA GATCTCACTG CAAGCTCCGC CTCCTGGGTT
 1951 CACGCTATTC TCCTGCCTCA GCCTCCCGAG TAGCTGGGAC TGCAGGCGCC
 2001 CGCTACAATG CCCGGCTAAT TTTTTTGTAT TAGACGGGGT TTCACCGTGT
 2051 TAGCCAGGAT GGTCTCGATC TCCTGACCTC GTGATCCGCC CGCCTTGCCC
 2101 TCCCAAAGTG CTGGTACTAC AGGCGTGAGC CACTGCGCCC GGCCTAAACA
 2151 GTCCTGCCTT TCATAACTGC CACGTCTCAT AGCTCCCTGA GGAATTACAG
 2201 ATTTATCTGT AGCATTTATA TTCCACTGAC ATTAAATGGG ATTTTAGGTT
 2251 TGAATTGAAT TTGTAACCTT TCCTGTTTTT AATCCAGAGA GATTATACAC
 2301 AATGTGTACA ATAGGAACTT CAGAACTAG AATTTGCTGA GCATGGGAAA
 2351 AAATCTCAA TCCTTATCCT TCTTGCATC TGTCCTAATA AATACAAAAA
 2401 CTGTGGTTTA ACATCTACAG AAAAAAATAA ATCTAAAGGA AACAGCACCT
 2451 GCTAATTCCT TGTTTAAATC TAACTCACTC TTTGTAAACC AAAGTAAATA
 2501 TAAGGTGAGA AGAGGGCATT AAAAAAGGT TGATGCAGAT GTATAGATTT
 2551 AAGGAGGTGA TAATGTTCTT GTATTGGAT TCTTTTATAA GTAGTTGGGG
 2601 AGTATAAATC TTAATAAAT GAAGAGATTG CTCATTGTAA AACAGATGTA
 2651 CATCCCAGAA ATTTGTGGAA AGTTGGCTAT AATTCACCTC TGCCAAATTT
 2701 CAATGTACAA AGGGAGGCTC TTCCTGTGAA AGATTGCCTT CTGGAATTTG
 2751 TGGTATCTCT ACCTTTTAACT ATTTTTTTTC AAGTTGTTAA CCAATATGGT
 2801 GTCAGTCTGC TGATCAAGGT GCAGATATCA CTGCACCTAA CACTTTTTGT
 2851 TAGACATCGT TTAGCAACCT TTAGACCTGA TCTTTTAACT TTTCATCTTT
 2901 AAGGAAGTGA CCAACACTGG ATGAATTTGA CCATTTCTTA GGAGACTGGA
 2951 ATGTTAAGTT TCTATAAATG AATGAACCAG TTCTCTCTTG TTTGGAGCAA
 3001 TGCTGAAATT CCAAGAGGCA GCTAAGTGTG TGAGTGGATC AACAGCCATT
 3051 TCCACTTATC CAAAGACCTT GATTGCAAGA AGATACGTGC TTCAACAAAA
 3101 ACTTGGCAGT GGAAGTTTTG GAACTGTCTA TCTGGTTTCA GACAAGAAAG

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3151 CCAAACGAGG AGAGGAATTG TAAGTAAAAG TGCTTCCTAT GAATCTTGAG
3201 TAGGCTGCTT TTTGTTTGCA GGTCTTAGCT GATTAGGAAC ATGGAGCAGG
3251 CCAGGTATGG TGGCTCATGC CTGTAATCCC AGCACTGTGG GTGGCCAAGG
3301 TTGGCAGATC ACTTGAGGCG AGGAGTTCAG GACCAGCCTG GCCAACATGG
3351 CAAAACCTGT TCTCTACTAA AAATACAAAA ATTAGCCAGG CAGGGTGGTA
3401 CATGCCTGTG ATCTCAGCTA CTTGGAGGTT GAGGCACAAG AATGCTTAA
3451 ACCCAGGAGG TGGAGGTTGC AGTGAGCCGA GATCATGCCA CTGCCCTCCA
3501 GCCTGGGCAA CAGAGCAAGA CTGACAAAAA AAAAAAAGA ACATGGAGTA
3551 ATGTCCACTT TGCTCTTTAT ACCAAAGCAA GTATTCATA AATATAGGTA
3601 AGCTCCCTAA TTAATCTTTC ATATTAGGTT TAAAGGCATT TCAGCAGGTG
3651 AATAAAGTAT CCAAATGACC TAAAGAAGGG AGCTAGAAAT GGGATAGATT
3701 ATGTGAAAAT AAGATGTTTG GGCATGCCAC AGTCTCAGTG ACAATATTAC
3751 TTCCACTTAA CTTGATTGGA ACTTCTTGAA TGAGAAAATA AGAATTGTTC
3801 ATATGAGCTA TTTTATAGAA TGTTACAAAA TGCAAATAAA CAATTATTCA
3851 CATTTGAGAT GAATAGGGTA TACCAAAGAA AGTAACAGTA TTAATTTTCT
3901 TTGGGCTTTC CATGGCGAGG ATTTTCAAAT TCCGTAGTCA GAAAGCTGTC
3951 AGATTAAACA CTTAAACCAA ATGGACACTC CTATTTAAAA TTAGCTTATG
4001 TTAATGACCC CCTGTGCACC TCGTCTCTTT TGATTATGAT CGGACCCTCT
4051 ACACTTTCAT AGTAGAGAAA AACTCTTAAT AGCTTCAGAC AGTACCTCCC
4101 TTACAGATAA ACCTCTAGTT TTTGTGTAAA GTTTTTTTAA TTTGCTGCAG
4151 TGGAAAGTAA GTTGGAACTG AAGTTAGGGT AAGAAACTTG CCTATCAGAA
4201 ACACAGGAGG AACAGAAAGC AGAAGGAAGA ATGATCCAAG ATATCAGCCC
4251 TTAACCCGAG AAGACCACAT TTTCATCCCA TAATATATTG TTTTCTTCTA
4301 AGGTTTAAAG GCTACTCTAA GTTCTTCCAG CTTTTCCTTA TTGGATATTT
4351 AAGAGTGGAT TTAATAATCAG TGTGATAAAC ACTTTTCTAC ATCTTCATAG
4401 GTCATAGGAA TTGTAAGGT AAATGTTAGT GATGTTACTA CTTTGTTTTA
4451 AAACCAATC TTTTAAATGG TCTCTGTCCA GAATTTTAA AAGCTGTAAT
4501 TATCTAGAAT TTATAGTTTT TAGTCAATTT CTACATGAGG GATGATAAAA
4551 GAGCTGGCAT TTTTCTGATG TCCTTAGAAC ATGCATTATG ATTCCTGCTG
4601 AAAAGGATTT TTTCTCTTTA ATCCTAGAGG TGCTCTTCTA GCCATTTAGA
4651 ATAGAATGAT AAATTTCTGA CAATTATTAG ATAACCTTTA TGGAACATT
4701 GAGAGTAAGA CCTAAACCAG ACCCAGTACT TCTAAAAACT AACTGTAGG
4751 ATCATATCCA ATTTTGGTTT CTTCAACTAA TGAGGAATAT GAAAAATTTT
4801 AAGATAATTC ACAGGAGGAC TAAAAAGTTA ATTAAAGGA TGTAATAATA
4851 GATGTATGAA GATCAAACTT GAAACCTTTA GACTTAAGAT AATAAGTGAG
4901 TGGAGAGAGT GTGTTTGTAG TCAGCGGGGA AGAGAGAGAG AAAGAGAATG
4951 AGAGAGAAGA AAGGGGGCTG GGGCTGGTTG GTTGGCAAGT GATTTGTTAG
5001 TGATCTTCTT TGTACCTGAA CCAATCTTAA AAAACACAT GACTGGAGCT
5051 GAAGATGGCA GACATGTTTG TGGAATGAAT CCAAGTGGTA GGATAACGGA
5101 CAAAAATCAT TTGGCACCAG AAGGTCTAGT CCACAATCTC TGGGAAAGGA
5151 ATCATTCATC ATCAGAATCT AAAACATATT GCATACTGGC CACATGTGGC
5201 TTTTCAGATG CTTTGTGTTG GCCTGGGTAG TGTTTCTTTT TAGTAAATTA
5251 ATCAGTTTTC TTTTGTGTTG AGGCGGAGTC TCACTCTGTC TCCCAGGCTG
5301 AAGTGCAGTG GCACGATCTT GGCTCACTGC AACCTCCACC TCCCAGGTTT
5351 AAGTGATTCT CCCACCTCAG CCTCCCAAGT AGCTGGGATT ACAGGCATGC
5401 ACCACCACAC CTGGCTAATT TTTGTATTTT TAGTAGAGAC AGGGTTTCAC
5451 CATGTTGGCC AGGCTGGTCT TGAACCTCTG ACCTCAGGTG ATCCTCTTGC
5501 CTTGGCCTCC CAAAGTGCTG AGATTACAGG CGTGAGCCAT CGCGCCTGGC
5551 CAGTAGTCAG TATTTTAAAG TGAGCAGCTC ATATAAATTG AGCATTTCAT
5601 CTTTTCTAGA AAAAAAAGAT TTGGGAACGT TTGCTAACAT CAGTTCCTGT
5651 GTAGCCACAA TGGACTGCTA AAGCTAGGCA GCAGCTACTC CCTTAGACAA
5701 ATTCCGTATT CTCCAGTTAG CCACATTCCT ACCTCTCCTT ACTGTCTCTG
5751 GCATACAGCT GCATCACACC TTTCCACTAC GTGCCGACCT TTGTAGACAA
5801 TTGCTTTTGG AATTATTTGC TAAAAATCAGA AAAAAGTATG AATGTGACTA
5851 CTCACAAAAA TCTAGAATGC TGTAATAGAA ACAGAGCAGT ATGGTGTCTG
5901 TGTAAAAATC CAGCTTTGG ATGTGAACAA AAAGTAAAGC CAGGCCTGTT
5951 CTTAATGTGA AGTCTACATT CTGTACATTC CTAATCTGAG CTTTGGTTTT
6001 CTTATCTTTA AAATGAGTAT AATACCTCAT AGGATTGTAA TAAGAATACG
6051 ATATCTGCCT ATTTATATAA GATTTAGATG TCACATTGCC TTGCTCATAA
6101 TTATTCCTCA AAAACAGCAC AGATTACCTT TAATTATAAA CAATCCAAGT
6151 TAAAAGAATA ATTAAGGAA GCCTAAGAAA ACTTTAGCTA ATTACCACCC
6201 AATGACTGCA ATTTGAAACT TCTAATAAAC GGAAGTTTTT TCTGGATTAC
6251 TTTTAAATGA GAAAAATTTT CCAATAAACC CAATCTGAAA CCAGGCATGT

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6301	AATTTAAAAA	ACTTATTCAA	GATGTGCTCT	GAGATTGTAA	CAATTCTGTT
6351	GTCATCTTTT	ATATCTCTGT	GGCTGTCCAA	AATAAATTGG	TTCTCAGAAT
6401	GTGAACCTTT	TAGCTAAGAT	ATCAATTCAT	CAGTGATTGT	TATGTTTAAT
6451	GCATGTATGA	GGCAGGAAAC	TAAACTCTTT	TTTTTTTGTG	TTGATACTGA
6501	ACCATTAGTT	TGTGAGCAAA	GCACATTATT	AGCACTACTC	ATTGTCCAAG
6551	CAATTTGACT	AGATAAGGTT	TTAAATTATG	CTTTACATAC	TAGACCACAA
6601	ACATAAGGAA	TGTGGTTAAT	TTAGAGGTGG	CTAGAAGATG	AATACCTTTAT
6651	ACAGACTTCT	ATAATGGTAT	GAATGCTATT	CCTTCAACAC	ATCAGAATAG
6701	ATATGACTTC	CCTTTTTTGT	TTGCAGATAC	ACCCTTAACT	TTTTGAGCTC
6751	ATAAGGAAGG	TATCAGACTA	TCCCTTGGTA	TCAGTGTTAA	AGGAATGACA
6801	ATAAGTTTGT	AGGACTTATG	ACTAGTTTCT	ATGAAATACA	GATTCCATTA
6851	ATACATTTCG	ATATTTAATC	AAAGAACTTG	ACAAAAATGG	ACAGCTGTAT
6901	GTACATAGTA	CTTAACCTTT	CCGTCAAAGT	ATTGCAATTT	ATCATTTATGC
6951	CACCTGGGGG	CATCACTTTA	CCATTGACAT	TTTGCATACA	GGGTGACCTT
7001	TAATTACAAT	GTAATACCA	TATTCCTTTA	CATTTTTTATT	CACCTTCTGA
7051	ATTAGCTGTG	AGATTAAAT	AAAACCTACA	GTACAGACAT	TACACTTGCT
7101	TGATGCATGT	TTGGAGAGTT	TTCTTCCTGG	CATAAATATT	GGGCATCCCT
7151	TTTTTTCATTA	TCACAGTAGA	ATAAAATTAA	ACTGTTAAAT	TGTTAGGTGA
7201	ATGAGATAGA	GGTTTTTCC	TTATTATGCA	TCATGAAAA	CATAAAACAA
7251	TATTTGAGAA	TATTTTTCTT	CATAATTATA	GACACTCTAG	TCTAATTATG
7301	TTGTCATAGT	CCTAAAAAGA	TTGTGCTAGT	TCTTATTCAT	TTTATTTTAT
7351	AGTATTGTTA	AATTGTCAAA	GTATCTTTTC	AAAAAATCAA	ACCCAAAAGA
7401	TTTGATCAGC	CCAGAAATTA	CTTTGGCCCT	TAACATTAGC	ATAGTGCATG
7451	TAATTTAATA	GAAAAGAGAT	ATTAAGGAAA	TAGGTTTACC	CTAAAAATACA
7501	TGATTAACCT	TGTAATTAA	GATGGCCACA	GCTACAGTGA	ATTTCAACAT
7551	TCATCTTATC	AGCATTAAGT	GTTGGTTATA	ATGATTTTTT	AAAAATTTAT
7601	CACATTTAAG	ATATAGTGAT	CTTACTATGC	AGAGTTGATT	TTATGCTGTT
7651	GTCTGTTTTA	GTCTGTCAAC	TATGAAGTAT	TTAATACAAT	TTAAATTTTT
7701	TTTTTTTGAG	TCGGAGTCTC	GATTTGTAC	CCAGGCTGGA	GTGCAGTGGC
7751	GCGATCTTGG	CTCACTGCAA	GCTCCGCCTC	CCGGCTTCC	GCCATTCTCC
7801	TGCCCTCAGC	TCCCAGTAG	CTGGGACTAC	AGGCGCTCCG	CACCACACC
7851	GGCTAATTTT	TGTATTTTT	AGTAGAGATG	GGGTTTCACC	TGGTCTCGA
7901	TCTCTGACC	TTGTGATCCA	CTTGCTGGG	CCTCCCAAAG	TGCTGGGATT
7951	ACAGGCGTGA	GCCACCGCGC	CCGGCCACAA	TTTAAATATT	AGACCTTTGC
8001	TTTGGACTION	GCACGAGAGA	GGAACCTGAA	GCAGTAGGAG	ATAAGGCCA
8051	GCCTTCAGGT	GCTTCCAGTC	CGGAAGACTA	TATCAACACA	CATAAAACAA
8101	CTAGTATACA	TGACAAGACA	ATGCTTAAGT	ATCTGTGTGG	CAGGTTGCAC
8151	TGCGAGATGT	TGGAGTGGCT	ACTCCCTTTC	CAACTCAATA	TTATCTTACT
8201	TGTTTCTGTG	TACTATCTAA	CCTATGTGTA	TTTTCCCTTT	GGTCTTATCC
8251	AAGTGCATAT	CCAAATATTT	TACCCCTTAA	CTGTGATCGT	ACACCTTGGT
8301	CTTTGTCTAA	ATATGGGAAA	AATGTAAACA	AGGAAATGCT	TTATCTCTAC
8351	AGAAGGCATT	TTTTCCCCCT	CTATCTCATA	TGCTTGCCCTG	AGATAAGGAT
8401	CAGGAGTTAA	ATAGTAAAG	GCCTACAAGT	CCTTAAAGAA	ATGGCCCTCA
8451	AGTCACAGGT	CTTGCCCTCT	CAGAGAGCTC	TGGGTCTTAC	ATTAGATGAG
8501	ATTTTTAAAA	GTCCTAGCAA	GCTGATTTTC	TACCCAGTTA	TGGAACACAA
8551	ATGGAAGATA	GGGGGCCAAG	AGTTGATGCT	AGAATGAGTC	ATACTGACAA
8601	CAGAGGGGAG	TGGTCTTAGA	CCATAAGAGT	AAGGGAGGTA	GAAAGTAAAG
8651	AAAAGATAAT	TAAAAAACCC	CAAAAGCCAA	AAAAGCTCTG	GTCCATTGTT
8701	GTAAGCTCT	CCATACTCCA	GTTTCTACTT	ATAGAAATCT	CAGACGTCCA
8751	GCCCTGTTC	AAAGTACTGT	ATTAGACAG	ACTCACTAAC	TGGCATGGAG
8801	TCAAAGGGC	TCAGGGGTTT	AGCCACACC	CTGGGGTCCA	GGCCTCAGCT
8851	TTTCATATTC	ATACACCCAG	AGATGGTCAG	TCTTGAGAG	GAGCTTATAT
8901	TAACATAATC	AAGACAAGAT	AGATCTATAA	ACCATGATTC	CACTTCTTAA
8951	TCTGGTTCTT	AGGATGAACA	GTACCTCCTC	CTTTGTGCAC	CCTCCACCA
9001	TTTTTCTGTA	GAAGTCTCTG	AGAAGCTGTA	TATCTAATGA	GAAAGTAAAA
9051	TATAACCAAA	ATAAGCAGGT	GGAAATAATT	GGCAATTACT	CGCTTAAACC
9101	AGGTAAAAAG	TCTCTTCTAA	GAACTTGACA	AAATGGAACA	GCTGTATGTA
9151	CATTCTAAGT	GGCTATTGTT	GTGGGAGCCC	TAAAGCCAG	TGTTTTATCTA
9201	CTAAATAGCT	CTGGATGCAC	CCCCATACAA	ATATTCATAG	GGTACCTCCT
9251	TTCCCAATAT	TGAAAGTAAT	GTGTATACAC	TTTATAAAAA	GTTTCAGATG
9301	GCATAAAGAA	GCAGTAAAA	AATCTATAAT	CCTGCCATCC	AACCTGTGGT
9351	CTTTTCTGTA	TGCACTGACA	AATATTGACT	CTTTTAAACG	AACATGGCAT
9401	TGGTCTTAGT	CATTGCCTCT	GAGAGAGAT	AGGAAGAGAA	GGAGACTTCA

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9451 CTTTTCAC TG AACCCCTTCT GTGCATTTGG AATTTTGTAT CATGTGCAAG
9501 ACTGAAACAA AACAAAACCT ATAAAAATAA GTGAAAAAAC CCACATATTC
9551 ATTCAACAAA TACTGGTCAC CGTTTACTGG TCATCTGGAG CTTGAGTCTG
9601 GTACAGTGAT TCTTAACCTT GGCCAAACAG TGAATCACA ATATTTAGAA
9651 AGTACAGATG CTTGAGTCAT ACTCCAGTGA ATTCTGTTTG GTCTGGGGTA
9701 TGGCCAAGGA TTTTGTAGAA CTTCCAGGTG ATTCATATGT GTCCTAGAC
9751 TTGAAATATC TCAACTGGAG ATAAAAACTC TACTTACATA ATCATAAATA
9801 ATTTTAGCTG CAATAACTTG TGAAAGAAAA ATCTTGGTTC TTGTGAGGTA
9851 CAATAAACTC ATCTTTGCTT GCAGGATGGA AGGTGGGTG AGGCAAGGCT
9901 TCCCTGAGAA CTGTGAGCTG AAATCTGAAG AATTATTAAG AAGTAGCCAG
9951 TGGTTTTTAC AATTTGTTGA GCATCAGAGT TGTCTGGAGA GCTTATTAAA
10001 ACAGATTGCT TGGCTCCCC CTACCCAGAG GGTTTCTGAT TTAGCAGGTC
10051 TGGTAGGAGG GGCCTGACAA TTTGCATTT TAACAGCTGT TACTACATCT
10101 TAGAGGACTG CATTTTGAGG ATCCTTGATC TAGGCAAAGG GATGGGAGAA
10151 GAGTTGCATT CAGTGTGAAT GGCCTAAAA TGGAATAGAG TTCAGTGTAT
10201 ATACAATCTC ACATGCTTTT TAAAGCAGG AAAATATAAG CATTTTCCCA
10251 TGTTAGTAAA TACTCTTTAA AAGCATCATT TTTAACACCT GCATAATAGT
10301 CTATGGCTTT CTGTGCATTT AACGGCCACT TGTGGATAT CTAGATTCTA
10351 GTGCCTTCTT TGAAGTAGAA GACTATTGTG CCTTTTAGCG TCCTCAGCGA
10401 TTTGATGTGA TGACTGGTTC AGCATTTTCT TCCTGTCAGT AGCATAACTG
10451 AAAAATAAG GAATGCAAGC TTCGGTCACT GAGAAATGAC AGGCATTCTG
10501 TGTCATTCAA TGGAAGCATT TTTTGGGGTC AGTTGTGAGT TACAGCTACA
10551 TTTGCACTGT AGTAATTAGA TAAAAAGAAC TTCATCCATT TTTTTTTTTT
10601 TTTGAGACGG AGTCTTGCTC TGTGGCAGG CTGGAGTGCA GTGGTGTGAT
10651 CTCAGCTCAC TGCAGCCTCC ATCTCCCAGT TTCAAGCAAT TCTCCTACCT
10701 CAGCCTCTG CATAGCTGGG ATTACAGGCA CCCACCACCA CGCCAGCTA
10751 ATTTTGTAT ATTTAGTAGA GACAAGGTTT CACCATCTTG GCCAGGCTAG
10801 TCTCAAACCT TTAACCTCGT GGTCCACCTG CCTTGGTCTC CCAAAGTGCT
10851 GGGATTACAG GCGTGAGCCA CCGTCCAG CATGAATAAT AATTCTTACT
10901 AAAATGTGTG TCAGTTTGTG ATATTAATAA TACACTTTCA ATAATTCAGA
10951 TTGTGACTGT AATTTCTGCC ATTTAATAGC TGATCGCCTT TAGCAAAGCT
11001 AATATTTATA TATTGTACCT ACTAATACCT ATTTATGGAT ATTTCTGTCT
11051 GATTTATTTA ATCATTTTAA CATATCTTTA CTTTCAATTT TGAGTCATTT
11101 TAAACAAAC ATCAATAGAT TTAATGAGTC CAACTTTGAA CTCAATCTAT
11151 GTATTCTTAT TAAAGCTACT ATTTCTATAT TATGTCTAGG AGTTCTCTCC
11201 AGTGGTTATC TGTGATGGGA TAGTGGGTTT ATTGAGTGGG ACGAGTTAAT
11251 TTAATAGGAT TCAGTGGTTT ACGCCGTGGA GAGTTATGAA AACAATTTGG
11301 AAGAACTAA TGATTCTTT CTATTTTGCC TTGCCAGACC TCAAAACACA
11351 GTTTCTTTCA GTTTCTCACA GTTAAAAAAA AAAATCTTCC TGCTTATCTT
11401 TTAAGAGAAA GTATAACATG AAAGCATATT AAAATATTAA AAATTTTAAAT
11451 ACTAAATTA ATATTAATAA CAGTTCAGAT TCTCGGAATC TTGTGCTTAG
11501 GTTCTCTAG GTAAATATAG AAAGAGTACA TTTGAACTTG GACTTCACTT
11551 TGGGCTTTGT CAGTTCTCTG CACACAATAA GGTCAAGCCT CTGAGCTTCT
11601 GGCCATCTTA TATTTAAAGT TTGGGAGATG GAATGGATAA GGAGAGAAGA
11651 AAATGCAAGG GCACATAGTT ACTTTGATTA GTTTCAATCA TGGTAATGAA
11701 GTCATATATC TGAGATAAAT GACTTTCCTA AGGCCGCTTT GCTGCATGTG
11751 TTAGCATAAA AGAATCCGTG TGCTTTCTAT CTGGTTTTTA ATATTTACAG
11801 ATCAGAAATG ACTAATAAAA TATTAGAATG AGTAGGCTGC AGGGAACCC
11851 TCAGTTTCTT TTTGGCTTAG GCAGGGGGCC AAAAAAGCCT CTTTTTAAGA
11901 CTGAATTGCC AAGAAACATT TAGGAAGAAG ACAACAGTTA GGAAGAAGGC
11951 AACAATACTC AAAAATTTTT CTAAAAATA ATTTCTTTTT CTTACATTAC
12001 TGTTGTTTGA AAGAAAACAA AAGTGATGTA TTTAAATAT TACAGCCGTA
12051 TTAGTGTCAG CAGTAAAGT ATATTCAAAT TACAATAGTA TACTTGTTAG
12101 ATTTTCAGAC TTATTTAAAT TTATCATTCC ACTCTGTTCT TTCAATGTGT
12151 TGTTCTGGTG GATTTGTGAG TAGGGAAGCT AATGGTTTGG CTAACACTGA
12201 ATGACATCCC ATGAAATATG GAATAGCATT CTTCAATTA ATGTATGAGA
12251 TAGGGGAATA TCTAAGCTAT TCTAGTAAAT AATAGTAATA ATAAATGTAA
12301 TTGGATATGC TGATCCCTTT ACATTGTCAT TGTTGACTTC CTAAAATTTT
12351 TAAAGTGCAA GATTTTGTG TTAAGCCTAT TAAGTTATTG TATCTCATTT
12401 ATTCAATAAA TAAAGTATTT TAGGATGAGT GCAAAAAATG CAAGAGCAAA
12451 ATTTGATGGG TGTAAGCTAC CTTGTAGGTT TTTTTTCTT CCCCTAAAAG
12501 GGCTTTTTTC ATCGAGATGT TTTATAATAA AAAGTGAGCT GATTTTTAAT
12551 AGAGTCCAGA GGAACCTCAA TAACCAAATC CAGAATTCTT AATGGTTGAT

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12601 GAATATTAGA ATATTCAGTC AGCTAACTTT AATTTCCTGA CCCCCAAACA
12651 AGCACAACAC CCTCAAGTAT AATCTGTAAC TAGCCCTTCT TGCTGTTGTT
12701 TCTACACAAG CAGCCTTTTG GGGAGAATAT TTCCTCCAAC AACTTTTGGT
12751 GCATCCGGCA GCCCAGCTCT CTTCCTGGCA GACAGCAGGC AGTTCCCTTT
12801 TACCATTGCT TACTTTAACT GGATCAGTTG AGGGAGGCAT CTGTTTACT
12851 CAGTCCTTTC CTCTAAACC GATCTGGTTC CTTTTTGACG CATGAATGTC
12901 TCTCAAGAGT AATATAGGCA ATTTTGGCCA GCACCCAACT TTATACCTAT
12951 TTTGAACTGA AAATTTTAGT TGTGATATCA TCCACCCTTA AGTAACTTGA
13001 AATGAGATAT GTATATGACT TAAATTTAAA AGAAATGAGA AGGGGGAAAA
13051 TTCTCAAGTT AAAATTAGTT TCTGGATCAA TTTATTACTC TTCAACTGAT
13101 TTTCTGGGG AAAAAGCTT AGTTGCCATA ACATCCATGT TTAAATAGTG
13151 CACTTTGAGT GATGTGCATG ACTTACAAGT CAACATGAGA GACAAGCAAC
13201 CCTCATGTTA GTAATAGTTT CTGGTCAGT TATTCCTAAG CTTGGTTTTT
13251 GGAAAGAGTA ATTTGTAAAT TTAATTAAGA GTAATTTGTA CATCTATGTG
13301 GGAAATAAAC ATTGTTGGCA CCAGAGTTCT AAAAGTAGTT TACTCCACTA
13351 ATGTGTCATT GTATAAATAA TGTTATGTAG TATCAAAAAT AAGCAGTTAA
13401 TATTGTGTGA CCTTTATTGC TTTAAAATAC TGTGAAATG AATTTCCATT
13451 CCGTAGTTTA ACGAGAACAC TTTTATTTCT CAGATACTCT TATAAGCCCT
13501 AGTCCCTGCT ACTCACGAAT GAATAATTAT GAACCTTTGA CATGCTATAG
13551 AACATACCTTA TTAGTACAGT AGTGCTGTAT TTATTTGGGT AGTTATATGA
13601 AAAAAAAAC ACCCCAAAGT TTAGTTATT AAGAAAGCAA ACACTAAGCC
13651 TGATGAAATG TGTGGGGGTG ATGGATATGC TCATTATCAT GATTGTAGAG
13701 ATGGTGTGAT GTTTCATGGG TATATACATA TATCAAAAT TGGCAAATTA
13751 TACACTTAAA ATATGTGCAG TGTATTATGT CAATTGTACC TTAACAATTG
13801 TGTTTAGAAA AAGCAAAAC CCTGTACCAT GATATATGAA AACCCTTAAG
13851 ATGTGTTAAAC TGGCTGAATT TGCAGTTACT AATGATAATC ATTATGAAAC
13901 TTGATACCTT CAGCTGAGTG CTGCTTTTTA ATCTTGGGT CATACCAGCC
13951 AATTTTATTG TTTTATAGCTC AGAGAAAAAT CATAGGCTTT GTTTTTGGTA
14001 CCTTTATTGG GCAAGTGAAG AAGGAAGATC AAAATGTAGT TGATAATATT
14051 GTCCTACATA CTAGTTTCC AACTTTCTAA GAGTGGAAAA TTTGGAACAT
14101 TGAATTTCTG ATTAGAATGT GTTTGGGTGT CAATTTTCTC AGTCTCTCCC
14151 ACATGCAGCA GTCACTAGC ATTTTAATTA AAGTTTGGTT GATGTTTCCA
14201 CTTCCCTATT AGTTTGAATT TTGAGAAACC CTTTAAACC TAATCACTTA
14251 GCTATGGCTG CTTTCTTCA GGGGAGATT CAAAGAAATT TGTGGCCCA
14301 CAGCCCTTCA TTTCTCTCT TCTTCTTTG CTTATGTCTT TCATCTCATA
14351 AGCCTCATAC AAATGCATAC ACTGTGAGTT TGGGGATAAT ATCGGCCAAT
14401 CCACTTTTGG CAATATTGGA TTTGCTATTT GGTGATCAGC TGCTTTTAAAT
14451 TTATATTGCT ATTTCAAAGA CATTTTGGTG CAAAGATTAT TGAGCTCTAA
14501 TGAGTAGTTT CTATTATTTT TAGAATTGCT TTAGTAATCA AAATTACAGG
14551 AAGGATTAAAT GACAGATGTG AGTTGCAAGG CAGTTTAAAC TTAATTAAAA
14601 AATGAAACAT TTGGGTGTTT CATATGAATT GGACCTGACA CATATCTGAA
14651 ATTGCATTTT AAGTAAGCTT TAAAGCAGTT GACTATTGAA CTTGCAGGGA
14701 GTAAGTACAT ATTCAAAAGG TTTTGAAAAC TGACAACAGT AGATAAATTC
14751 CCACAGATAA AGCTTATTTT GGCATTATTT TGCTAGCTCA CATAACCATA
14801 AAAACTCTGT GTGTGTGTGT GTATGTGTAT ACATACGTAA ATATATACTC
14851 ACGTATATAT ATGTGTGTGT GTATGTGTGT GTTTAAGGTG TGTATATGTG
14901 TATGCATTTT TTAATTGGAC AGTTTTTTAG TTCAACACTA GTTTCAGCAG
14951 CAAAAGTTGT GTTCAGCTGG TAATAATATC CCGTCTGAT GGATGAAGAG
15001 GCAAGGCTC AATATTTTCA AACTATACTT GGACATGAAC TCAGTATTGA
15051 GTACTTGGAA GTACTCAGTG GAGACTTCTA TTTTATAAAA ATTCAAAAGG
15101 CGATTCCAGG GCAAGATGGC CGAATAAGAA CAGCTCTGGT CTGCAGCTCC
15151 CAGCGAGATC AATGCAGAAG GTGGGTGATT TCTGCATTTT CAACTGAGGT
15201 ACCTGGTTCA TCTCATTGGG ACTGGTTAGA TGTGGGTACA GCCCACGGAG
15251 GGCGAGCAGA AGGAGGGTGG GGCGTCACCT CACCCCGGAA GTGCAAGGGG
15301 TTGGGGAGCT CCCTCCCTTA GCGAAGGGAA GCTGTGAGG ACTGTGCCAT
15351 GAGGAACAGT GCATTCCAGC TCAGCCACTA TACCTTTCCC ACAGTCTTCA
15401 CAGACCAGGA GATTCCGTCA GGGGCCTACA CCACAAGCGC CCTGGGTTTC
15451 AAGCACAAAA CTGGGCAACC GTTTGGGCAG ACACCCAGCT AGCTGCAGGT
15501 TTTTGTTTTT TGTTTTTTTT TTCCCTGTAT CCCAGTGGTG CTTGGAATGC
15551 CAGCGAGACA GAACTGTTCA CTCCCTGGA AAGGGGGCTG AAGCCAGGGA
15601 GCCAAGAGGT CTGTCTCAGC GGATCCCATT CCCATGGAAC CCAGCAAGCT
15651 AAGATCCACT GGCTTGAAAT TCTCACAGCC AGCATGGCAG TCTGAGGTG
15701 ACCTGGGATG CTGTTGCTTG GTGGGGGGAG GGGTGTTCAC CATTACTGAG

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15751 GCTTGAGTAG GTGGTTTTCC CTTACAGTA TAAACAAAGC TGCCAGGAAG
15801 TTCAAACCTGG GTGGAGCCTA CTGCAGTGCC ACAAAGCCGC TGTAGCCAGA
15851 CTGTCTCTCT AGATTCTCTC TCTCTGGCAG GGCATCTCTG AAAGAAAGGC
15901 AGCAGCCTCA GTTAGGGGCT TATAGATAAA ACTCCCATCT CCCTGGGACA
15951 GAGCACCTGG GGGAAAGGGG GGTGTGGGT ACAGCTTCAG CAGACTTAAA
16001 CGTTCCTGCC TGCTGACTCT GAAGAGAGCA GCAGATTTC CAGCACAGCA
16051 CTCGAGCTCT GCTAAGGGAC AGACTGCCTC CACAAGTGGG TCCCTGACCC
16101 CCGTGCCTCC TGATGGGGAG ACACCTTCCA GCAGGGGTCG ACAGGTACCT
16151 CACACGGGAG AGCTCTGGCT GGCATCTGGC AGGTGCCACT CTGGGATGAG
16201 GCTTCCAGAG GAAGGAACAG GCAGCAATCT TTGCTGTTCT GCAGCCTCTG
16251 CTGGTGATAC CCAGGCAAAAC GGGGTTTGA GTGGACCCCC AGAAAATACC
16301 AGCAGACCTG CAGAAGAGGG GCCTGACTGT TAGAAGGAAA ACTAACAAAC
16351 AGAAAGCAAT AGCATCAACA TCAACAAAAA GGATGACCAC GCAAAGACTT
16401 CATCCAAAGG TCACCAACAG CAAAGAACAA AGGTAGGTAA ATCCACGAAG
16451 ATGAGGAAAA ACCAGCGCAA AAAGGCTGAA AATTCAAAA ACCAGAATGC
16501 CACTTCTCCA AAGGATCACA ACTCCTCGCC AGCAAGAGAA CAAAACCTGGA
16551 TGGAGAATGA GTTTGACAAA TTGACAGAAG TATGCTTCAG AAGGTGGATA
16601 ATAATGAACCT CCTCCGAGCT AAAGGAGCAT GTTCTAATCC AATGCAAAGA
16651 AGTTAGGAAC CTTGATAAAA ATTAGAGGAG TTGCTAATA GAATAACCGG
16701 TTTAGATAAG AACACAAATG ATGTGATGGA GCTGAAAAAC AGCACAAGAA
16751 CTTTCATGAAG GAAGCATACA CAAGTATCAA TAGTCAAATC AATCAAGTGG
16801 AAGAAGTAT ATCAGTGATT GAAGATCAAC TTAATGAAAT CAAGTGTGAA
16851 GACAAAGATTA GAGAAAAAAG AATGAAAAAG TAATGAACAA AGACTTCAAG
16901 AAATATGGGA CTATGTGAAC AGACCAAATC TACATTTGAT TGGTGTACCT
16951 GTAAGGGACG GGGAGAATGG AACCAAGTTG GAAAAACTC ATCAGGATAT
17001 TATCCGGGAG AACTTCCCCA ACCTAGCAAG ACAGGCCAAC ATTCAAATTC
17051 AGGAAATACA GAGAACACTG CAAAGATACT CCTCAAGAAG ACCAACCCCA
17101 AGACACATAA TCGTCAGATT CACCAAGGTT GAAATGAAGG AAAAAATGTG
17151 AAGGGCAGCC AGAGAGAAAG GTTGGTTTAC CCACAAAGGG AAGCCTATCA
17201 GACTAACAAAC AGACCTTTCT GCAGAAACCC TACATGCCAG AAGAGAGTGG
17251 GGGCCAATAT TCAACATTTT TAAAGGAAAG AATTTTCAAC CCAGAATTCC
17301 ATATCCAGCC AAATAAGCT TCAAAAATGA AGGAGAAATG AAACCCTTTA
17351 CAGACAAGCA AATACTGAGG ATTTTGCCTT ACAAGAGGTC CTGAAGGAAG
17401 CACTAAATAT GGAAAGGAGA AACCGGTACC AGCCACTGCA AAAACAAACC
17451 AAAATGTAAA GACCATCAAC ACTATGGAGA AACTGCATCA ACAAATGGAC
17501 AAAATAACCA GCTAGCATCA TAATGATAGG ATCAAATTCA CACATAACAA
17551 TATTAACCTC AAATGTAAAT GGGCTAAATG CCCCATTAA AAGGCACAGA
17601 CTGGCAAATT GGATAGAGTC AAGACCCATT GGTGTGCTGT ATTCAGGAGA
17651 CCCATCTCAC GTGCAAAGAC AAACATAGGC TCAAAACAAA GGATGGAGGA
17701 CTATTTACCA AGCAAATGGA AAGCAAAAAA AAAAAAAGGT
17751 GGTGGGGGGG GTTGGAAATCC TAGTCTCTAG TCTCTGATAA AACAGACTTT
17801 AAACCAACAA AGATTAGAAG AGACAAAGAG GGGCATTACA TAATGTAAAG
17851 GGATCAATGC AACGAGAAGA GCCAACTATC CTAGGTATAT ATGCACCCAA
17901 TACAGGAGCA CCCAGATTCA TAAAGCAAGT TCTTAGAGAC CTACCAAGGG
17951 ACTTAGACTC CCACACAATA ATTGTGGGAG ACTTTGATGC CCCACTGTCA
18001 ATATTAGACA GATCAACGAG ACAGAAAATT AACAGGGATA TTCAGGACTT
18051 GAACTCAGCT CTGGACCAAG CAGACCTGAT AGACATCTAC AGAACTCTTC
18101 ACCCCAAATC AACAGAATAT ACATTTTCTC CAGCACCGCA TAGCACTTAT
18151 TCTAAATTCG ACCACATAAT TGGAAGTAAA ACATCCTCA GCAAATGCAA
18201 AAGATCAGAA ATCATAACAA ACCCTCTCTT AGACCGCAGT GCAATCAAAT
18251 TAGAACTCAG GATTAAGAAA CTCACTCAA ACTGCCCAAT TACGTGGAAA
18301 CTGAACAACC TGCTCCTGAA TGACTIONG GTAAATAAGA AAATTAAGGC
18351 AGAAATAAGT TCTTTGAAAT GAAGGAGAGC AAAGACACAG CATACCAGAA
18401 TCTCTGGGAC ACAGCTAGGG CAGTGTTTAG AGGGAAATTT ATAGCACTAA
18451 ATGCCCACAG GAGAAAATGG GAAAGATCTA AAATCAACAA TTGTCTATTT
18501 GTGCCCTTTT AGACTTTTGT ATGTGAGCAA GAAAGACCTA AAATCGACAA
18551 TTGTCTATTT GTGCCCTTTT AGACTTTTGT ATTTGGGCAC TTAAGTCTAT
18601 GAATTTTCCT CTTACCACTG CTTTGTGGT ATCCAGAGG TTTTGATAGG
18651 TTTTGTCACT ATTATACTTC AAATAATTTT TAAATTTCCA TCTTGATTTT
18701 ATTGTTCAAC CAACACTCAT TCAGGAGCAG GTTATTTAAT TTCAATGTAT
18751 TTCCATGGTT TTGAGAGTTC CTTTGGAGT GGATTTTCAG TTTTATTCCA
18801 CTTGATCTG AGAGAATACT TGATATAATT TCAATTTTCT TCAATTTATT
18851 GAGACCTGTT TTATGGCTTA TCATATGGTC TGTCTGGAG AATGAATGTT

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18901 ACACGTGCTG ATGCATAGAA TGTATATTCT ATAGTTGCTG GTTAGTATGT
18951 CCTGTGGCTT TATTAACCTT TTATCTTGCT GACCTGTCTA TTGCTGTCAG
19001 TGGAGTGTG AAGTCCCCCA CTATTATTGG GTTGCTGTCT ATCTCATTTT
19051 TTAGGCTCTAG TAGTAATTGT TTTGTAAATT TGGGAGCTCC AGTGTGGGGT
19101 GCATGTATGT TTAGGATTGT GATATTTTCC TTTTGGACAA GTTTTTTTTA
19151 TCATTGTATA ATGTCCCTCT TTGTCCTTTT TAACTGCTGT TGTTTTAAAG
19201 TTTGTTTTGT CTGATATAAG AATAGCTACT CCTCCTTGCT TTTGGTGCCC
19251 ATTTGCATGG AATATCTTTT TCCACCCCTT TACCTTAAGT TTACATGAGT
19301 TCTTATGCAT TAGGTGAGTC TCCTGAGAAC AGCAGATGGT TGGTTGGTGA
19351 ATTTCTTTTTC ATTTCTGCCAT TCTGTGTCTT TTAAGTGGAG CATTATATGT
19401 ATTTACATTC AACATTAATA TTGAGATACA TGCTATTCTA TTCCTTATGC
19451 GGTGTTGTTGC CTGAATACCT TTTTATTTTT TCATTGTTTT TGTTTTATCG
19501 GTCCTGTGAG ATTTATGCTT TAAGGAGGTT CTATTTTGCT GTATTGCGAA
19551 AATGTGTTTT CAAGATATAG AACTCCTTTT AGCAGTTCTT ACAGTGCTGG
19601 CTTGGTAGTG GTGAATCTCT TCAGTATTG TTTGCTGAA AAAGACTGTA
19651 TCTTTTTTTC ACTTATGAAG CTTAGTTTCA CTGAATACAA AATTCCTGGC
19701 TGATAATTAT TTTCTTTTAG GAGGCTAAAG ATAGGGTCCC AGTCCCTTCT
19751 AGTAGGGTGT CTGCTGAGAA ATCTGCTGTT AATATGATAG GTTTTCCTTT
19801 ATAGGTTACT TGATGCTTTT GCCTCACAGC TCTTTTTTTC CCCTTAATCA
19851 GAATATGTAT CTGGTTTCCA ATAAAGTGAT TCTTTTTTTT TTTTCTTAAT
19901 TATACTTTAA GTTCTAGGGT ACATGTGCAC AACGTGCAGG TTTGTTACAT
19951 AAGTATACAT TTGCCATGTT GGTGTTGCTGC ACCTATCAAC TCCTCATTTA
20001 CATTAGGTAT TTCTCACAGC TCTTAAGATA GTTTCATTCA TCTTGACTTG
20051 AGACAGCTG ATGAGTGTGT GCCTAGGCGA TGATCTTTTT GCAATGAATT
20101 ACCTAGGTGT TCTTTGAGCT TCTCGTATTT GGATGCCTAG ATCTCTAGCA
20151 AGGCCAGGTA AGTTTTCTT GATTATTCTC TCAAGTATGT TTTCCAACT
20201 TGTAGATTTT TCTTCTTTCT TGGAAATACC AGTTATTCTT TGGTTTGGTT
20251 GTTTAGCATA ATCTCAAACC TCTGGAGGC TTTTTAAAAA AATTATTTTT
20301 TCTTTGTCTT TTTTCAGATTA GATTAATTGG AAAGTCTTGT TTTCAAGGTC
20351 TGAAGTTTTT TCTTCTACTT GTCGATTCTA TTGCTGAGAC TTTTCAGTGC
20401 ATTTTGCAAT TCTCTAAGTG TGTCATTTC CAGAAGTATC ACTTTATTAT
20451 GTATTCTATT TCACCAAAGT TTTTCTTTTT CATATCTTGT ATCATTTTTT
20501 GATTTTCATTA AGTTAGACTT CACCTTTCTC TGATGCCTTC TCGATTAGCT
20551 AATAATTGAC CTCCTGAATT CTTTTTCTGG CAATTGAGAG ATTTCTTCTT
20601 GGTTCGGATC TGTGCTGGT GAGTTAGTGT GATCTTTTGG GGGTGTTCAC
20651 TTTGTTTTTT CGTATTACCA GGATTGTTTT TCTGGTGCCT TCTCCTTTGA
20701 GTAGACTACA TCAGAGAAAT GATCTGGGGC TCAAGGACTG CTGTTTAGAT
20751 TCTTTTGTCT CATGAGGGTG CTCCTTGAT GTGGTGCTCT CCCCTTTCCC
20801 CTAGGGATGT GGTTCCTGA GAGCTGACCT GCAGTGGTTG TTATTTCTCT
20851 TCTGGATCTA ACCACCAGC AGAGCTACTG GGCTCTGGAC TGCTAGTGGG
20901 GAGTGTCTGC ACAGCATCCT GTGATGTGAA CCATCTTCAG TCTCTCAGCC
20951 CTGGATCCCA GCACCTGCTC CAGTGGAGGT GGCAGGGGAG TGAAGTGGAC
21001 TCTGCGAGGG TCCTTGTTG TAGTTTGTG TATTGTAATA GTTTTGTGTT
21051 GGTGCGCTC CAGCCAGAAG GTGGCGCTTT CAAGAGAGCA TCAGCTGTGG
21101 TAGTATAGGA AGGATCAGGT GGTAGGTGGG ACCATAGAGC TCCAGGAGA
21151 ATATGTCTCT TGTCTTCAGC TACCAGAGCA GGTAGAGAAA GACCATTAGG
21201 TTGGGGCAAG GTTAGGTGTG TCTGAGCTCA GACTCTTCTT GGGTGGGGCT
21251 TGCTGTGGCT GCTGTGGGGT ATGTGGGTGT GGTTCCTCAGG CCAGTGGGAT
21301 TATGTTTTCCA GGGGTATTAT GGCTGCCTCT GCTGCATCAT GCAGGTCACC
21351 AGGGAAGTGG GAGAAAACTG GCAGTTACAG GCCTCATGCA GCTCCACGCT
21401 ATCCCAAAAG GCCAGTGTTA CTCCTACCGT GCCCTCTCAA TAGCACTGAG
21451 TTTATTTCCA GGCAGCGGGT GAACAGAGCT GGGAACTTTC CCCAGGCCAC
21501 CAGCCTCCCC GCTGAGAAAG CATGCAGGAC TTTGAGGTTT TGTGTTTCCC
21551 CACCTGCCGC AGCTTCTGTG CTGTGTCTGC ACTCCCTATT CGCCCCCTCC
21601 CCCAGGTTCT GTCCAGGAAA CTGCGTTTGG TCAAAATGGT TACAAAGTTC
21651 AGCTGGAAGT TTCTTCTCC CTGTGCTCTT TTCCAGTTTC CTCTGGCAGC
21701 CCTCTCCAAG GACCCCTGTG AGACAAAGTC AGAAACGGCT TCGCTGGGGA
21751 CCAAGAGTGC CCACAGGGCT CTTCTGTCTG CTGCTTCTAC ACCTGTATTT
21801 CACTTGGCTC TCTAAATTG TCTCAGCTCC AGGTAAGGTC AGATCCTTCT
21851 GTGATCTGGA CCTTCAGGTT CCCCAGTGAG GGTGTGTGTT TGGGGGCAGA
21901 TGATCCCTCT TTCACACTTT GGGCACTCAG AGTGTTTTGG CTGTCTCCAG
21951 GTGCCTGCAG CAGCAATCCG CTTCTTCAA AGGATCTGTG GATCCTCTCG
22001 CTTTCTGGT ATGTTCTGT GGTAGTTCTT GGAGCAAAAG TTCTCTGTAT

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22051 GAGTCTTCAC ACGCTGCTCT GTCTGTCTGA GTGGGAGCTG CAAGTTAGTC
22101 CTGCCTCCTA TCCACCATT TTTTCTCTAG TGTCTGGCT AGTAATTTCT
22151 GAGTGAATG ATGCATCATT TACATGTCAC TTCAGCCTAA GGAGTAGAGC
22201 CCTCCTGACC TTGGAGCTTC TCTTCTGAGC TCTTGCAATTG AGACGCTGGC
22251 ACCTGTGTAC AGAAGCACTG TAAGGAGGAT AGCTGCCTGC TGACTTGCTC
22301 CGCCTACGGA AGACTTGGTG TCCATTTTGA CTTCCGCAAC CTAAGGCTTG
22351 AACTAGTATA GCCTTTTCTA ATTAATAGTA CATACAATAA CAATGATTGC
22401 TTTTGGTTG TAGTTAGCTA AAAGTTTCGT TAGTTTAGTA TTTTGGTTCT
22451 AAAACACATT TTAAATTTTC TCTGGTTATA CATTCCATGT AGATTAAAGG
22501 CATAAATCCA TGTAATAAA CAAATGGACC TCATGGTATG GACTCAGCAT
22551 GATTATGTTT TGTGTAGAAT CTAGAGACGA ATTTAGAGAC CCAATTTTCTAG
22601 ATACATAATT TCTGTGCAGT TTTTGTACCA ATTAGCAAAG AGATGATTGA
22651 CGGTTGCTAG TCCTGTGAAA CAGCAGTAGT TACGCAGTAT ATGTCCTAGT
22701 GGTATGGAGT TTAAGAATGA AAATTTTATC CTAAGACTTA GCCCACTTGT
22751 ATCGTCACTC TATACGTCAT TTATTTTGGG ACTCTTCTTG CTTTTAGATG
22801 ACAATTTACA AAATTATTTG TCATTTCTTT AATTGGTATT TGTACTTATG
22851 TCCCACAAAC GGCTTAATTT GTGTGTCCAT CAGTGGCATG TTAAGCCCAC
22901 TTTAGCCCAT ATATGTTACT CAGTGTGTGC AAACGTGTAT TTTCTACTAA
22951 ACGGTATCTA TTTCAAGAGT TTGTGAGATA AACTATGCAG AACCAAGATG
23001 TCAGTTTGT GTTTTATTTT CCTATATTGC CTCATTTATA ACAATAATAT
23051 ATGATCCTCC AAATTTGCCA GATATTGTTT AAACGTGCAT TTCTAAAAGT
23101 AGAGATCTTC TGAGGATTTT TTTGTTTTTT AAACATATA TCTATGAATA
23151 CTTTAACTA CATGTTATA ATAACAAAA CAATTTAAAA AAAGTTGTTG
23201 CTTGTGACAA CACTAACGTC AAGGAAATTT TGTTTAGATT GGGAAAATAA
23251 AACAGGTGTT TCAGTCCAAA AAAAAAAAAA AATCAAAAGG CATTAATATG
23301 GCCCCTATTG AAAAGCCAC ACTGAGAGGC ACTAACTACC CATGCCTTTG
23351 CAGTGTGAGG TTAATGGGGG GGTGTCCCT CAGCAGCTGC CTCAAGCTCC
23401 TGCTTTGCCA TTAACCAGAC TCACTCCAGG ATTCCTTGA AACTGTGTGC
23451 CTACCTGAAT AATTTATTAC CTAGTGATCA ATTATTCATA ATTCTTTATT
23501 ACAACGAAAT AAAACCTAAA GGTGGAATCA TTTTGCCACT TATGAATATC
23551 CAACAGATCA TCAGGAGATT GCAGTAGAGT TTTAAGCCCT TGCGGTCCCC
23601 ACTGCCTGTT TGTTCCTCTG AAGGGATTCC ACAGAGAACA GCCTTCTGAG
23651 ACAGGATCAG AATCAAAGAA AGCAGTAACA AATGACTCCC TGCTGGTCGT
23701 GCTGCACGGT TCACTATTTC ATGCTGTTTG TCTTTTAAAT TCTGGCCTCA
23751 TTTATACCTA GAAATAAAAT TTCAATTTGA AAGAATGTAG GAGACTTTTA
23801 TGACACCGTT GGTTTATTAA ATCATTCTTA GGAGGTAGAC AAGGACATAA
23851 AACTTACACC TTAGGTATCT TCTGGAATAA AATGCAGGAA CCTTTAGTAC
23901 ATTTTATTGA CACTAATCAT ATTGCATTTG CTTGTTTCAT CAGTTATATC
23951 TGAGTTATAT TTTATTTATT TATTAGACCA TATAAAAATG CCATATATTT
24001 TCCACATATA TAGAAAGCAT TTTAGTAAAA GTTCTCTGAA AGTATAGTAA
24051 GGCCAGGCAT GGTGGCTCAT GCCTGTAATC CCAACACTTT GGGAGGCTGA
24101 GGCAGGAGGA TCGCTTGAAC CCAGGAATTC CAGACCAGAC TGGGCAACAT
24151 TGGGAGACTC TGTCTTTACA AATAGTAATA AATAGTGGGC ATGGTGGCGC
24201 ATGCCTGCAG TCTGTCCCAG CTACTCGGAA GGCTGAGGTG GGAGGATTGC
24251 CTTAGCACCT GAGGTGGTCA AGGCTGCAGT GAACTAGAAT TGCACCACAG
24301 CATCCCATCC TAGGCGACAG AGTGAGACCC TGCCCTCCAA AAAAATTAGT
24351 ATAACCAAAT GAAGCCTACT TCTTTAAAT TTGGGAAATG TAGTGGAAAA
24401 TTGTTTAGCT TAAGCCAGAC TACTTAATTT TAAAAATAAT CAACAAGTTT
24451 TAAAAAATAT TTTGAAAATA CTTGGAGAGT TTTAATTTCCA GTTACATTAG
24501 ATTATAAAGC AGAAGGTTTG CCTTTGAGGT TTCTTGCCTC CCAACCAGTT
24551 GGCTTTCCGT TGGACACTCT GGCACGAGG AGTGCACATA ACTCTGTGAC
24601 ACTCCACATT TTGGGTTGTC ATTTCACTGT TGTGGCATT TCTCTGTAGT
24651 TACTTCCAAA ATAAGTTAGT ACTAATTTTG AGCATGAGTC CTGGGACCCCT
24701 GGGGTAAATA TTTGCCAGGT CTAAAATACC CCGGCCTGTA GATAAAAATC
24751 CCAAAGTGTC AAACAAGTAC TTTTLAGTGG AGATTCCAGA TCATTTTTTG
24801 TATTAGTGT GTTTTACCAA ATGGAATGAA GGCTAAATGT TTAAGCAACT
24851 TTTAAATGGC CTAAACCCAT ACCTTTCACA CAAGACCCTA CATATCTCAG
24901 ATAACCTACC AATCAGAGTT TAAATATGGA TTTAGTTGTA CTGTTGTGAA
24951 AATATGTGGG TAATTTTAA AACCTTAA AATATATATT AAGAAAATTT
25001 TTTTTTGATA CAGGGTTTCA ATGTTGTCCA GTCTGGTCTC AAACCTCTGG
25051 TCTCAGACTC CTGGTTTCAA CTGATCCTCC CTCCTCAGCC TCCAGAGTAG
25101 TTATGCCCTG CTCTTAAAC TCTTAAGACA AATTGAATA TGTATGGAG
25151 TAGAGTAAAA CATTTGCATG ATTTTGAAT TTTAATATA ATTTTGTATA

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25201 GGTACACAT TCACATGGCT CAAAAACAT CAAAAGATCA AGTTTCGAGT
25251 TTCTCTCAT CCTTCTCTCC CCTTTTTTGA GTTCTCATCC TCTTCCCCAA
25301 AAGGTAACCA CTGTTAAGAG TTTCTTCTGG ATCCTTTTAG AATTGCTTTA
25351 TGCACACATT AGCAACTTAA GAATACAGAG TCTTATTTTT CCCCTTTCTG
25401 ATAAAAGCTA GCATATTATA CACTTCTGGT TTTTTTTGTT TTTTTTTTTT
25451 TTTGCTTTTT TCATATGACA CAATATCTTG GAGATATTTT CATGTTAGTG
25501 TGTAAGACAT TTCCCCATTC TTTTTTTTTT AAACAGCTCA ATAGCATGTT
25551 CCATGGTGTG GTTGTAGTAT AATTTATTTA ACCATTTTCC TGTTTCATGCG
25601 CATTTGAGTT ATATTAAATC TTTTCTTATT AAAAATATCA CTGCAGTGGA
25651 TAACCCTGAA CATTTGTCAT TTCACAAACA TGCCACTATT TCTTGCATGA
25701 ATTTTAAAGA TAAAACATAA CATTTTCAGAA ATGTGCTGTT TTTAGCAGTC
25751 TCATTCCAGG GGTGTAATT TATCCTTCTT TACTATCAGG GGTGTTTTGC
25801 TGGCAACATT TGAGAAGTTC TGCCATAAAC TTGTTATTAA GGCCTAGTGG
25851 TAGGATGATT TTTCACTTTC AGAAATAACT GCTGTGAAGT GATAGTGACA
25901 ACAGTGTTAC CTTGCCACCG TATGTCTCTC GAAGSTAGTA TAAGAAAAC
25951 GTAAACCTGG TGGCAAATTA TTTATGAGCA GAAATTATGT TGTAAAATTG
26001 TCTAGTTTTT TTGTTGGCAT TTGATAGAAT GAAACACTTG CAGCTATGAG
26051 TTTTTGGAAT AGGCCAGTA CCCTCTGACC TAAAGCCCTA CAGCACCAAA
26101 CTCTGATGTC TTGAAAAATA TTAATAGGTG GTTTACCTAA AAAGATTTC
26151 ATGATTATAC AAGCTTGGA AACTGCGGT TCCACAACAT TGAACCAGTT
26201 TCTTTACTGA AGAACTCTTC AGATCCTTAA ATTTGCTGGG GTAAATTGTA
26251 ACTTTTAAAG CCTGGATGTA GCAAGCAGCA TTTCCAAAAC AAGTTTGACT
26301 ACTGAAGTCC CTTTCCCGC CCCCCTGGAC ACTCTTATTA GCATTAATGT
26351 ACCAAGGAGC CCTAATTGGG AAATACTACC CATGTTGGAT ACCATGGGCC
26401 CCATATTCAA ATTAGTGGTC ACAAGCATAT GTGATATTTA CATTTACAAA
26451 AGATTCACTG AGGGAATAA GAATAAAAGT CATTATTTAA AAATTGACCA
26501 TTATGAACAG TAGATGGTGG TAATGTAACA TGCAGACCAA CTATTAAGAC
26551 ATGTCAACAT TTCCAATGGC AGCATTAATT CAAGGTCGAA AATGCTCTAA
26601 TTTAATTACA GTCTACCAGT ACTTTAATT TCACCGGCTA AATTAATAAA
26651 AGGCTAAACA TAGGTATTTA ACAAATTTT AATTTCTCCC TAGGAAAAGC
26701 AGAAATTGGC TGAGAAATAA ATCTGAAGAA ATCTTTTTAT CTTACAGAC
26751 CATTGTAACCT GGCATGAGCC AGATCTGGTT TTTCTTGCCA TCCATGTATT
26801 AGATTGATGT TTCCTAGCTT GTGTGTACAC AAAGGTATAT GTGTATTCTT
26851 TCTTTTTTAA AAGAAAAGG CATCAATTTA ACCAACTTA ACTCTCCAGT
26901 GTCCATGAGA ATGGCAAAGA GCAGTTTCAG TCTGAAGCAT CTGAAGCAGC
26951 CACCGCCTTT GTACTCCAGG AACTGACATT TGGGCTGAAA ATAGGATGTG
27001 AATGCCAATA GCTCTATTAG AAGGGCAAT GGGATGAGAG ATCAGGGTCT
27051 CTTAGAAGTT GAGAGGGATC TGAGCCACTT CCATTCTTTT GAAGTCTATT
27101 TAACTATAAG ACTGTGTAAC ACAGGACAAC AAAAATGGGA TATGCTTTAA
27151 ATATTTACAT TTGACAAAAA ATTAACATAC CAAAATTCAA TACAATGTGA
27201 CTACACAACCT GACAAGATTA TTATAAATTT TAATTCCTAG TGTATTAGAC
27251 TTGGGGTGGC CCAGAAATGG GACACACATT TAAAGTTGTG GTGAACATCT
27301 TTCCAAGCTG CCAAGTGTGC TTAGGGACAG AGGGGTGAAC CCGGTTTAGA
27351 GCTCTTATTA AGAGTCAACA TTTGGCCAGG CAGGGTGGCT CATGCCTGTA
27401 ATCCCAGCAC TTTGGGAGGC CAAGGCTGGT GGATCGGTTG AATCCAGGGG
27451 TTTGAGACCA GCCTGGGCAA CATGGCAAAA CCCCATCTCT ACAAATATA
27501 CAAAATTAG CCGGGTGTGG TCCCAGCTAC TCTGGGGGCT GAGTTGGGAG
27551 GATTAAGCTT AGGAGGCAGA GGTGTCAGTG AGCTGAGCTC ATGCCATTCT
27601 GGCCTGGGTG ACAGAACCAG ACCTGTCTC AAAGAAAAAA AAAAAGTCAA
27651 CATTTGAAGC CCTCATAAA TCTGCAGGCC TGAGAAAAG AGACATGGGT
27701 CCTGATGCAG ATGATAAATC TAGAGGAACT GCAGGGAGTG GAGGTTCTTC
27751 CGTGAAGGAT ATCTCAACTT ACCTGATGGA GGGGAACAT GGCTCATATC
27801 TGCAATCCCA ACATTTTGGG AGGCTGAGGT GGTGATGATCG CTTGAGCCCA
27851 GGAGGTGGAG AGCAGCCTGG CCATTATGGT GAAACCCTGT CTTTACGAAA
27901 AAAATAAAAA AATTAGCCAG GCATGGTGGC ACATGCCTGT AGTCCCAGCT
27951 GCTTGGGAGG CTTAGGTGGG AGGATTGTTT GAGCCTGGGA TGCAGAGGTT
28001 GCAGTGAGCC TAGATTGCGC CATTGCACTC CAGCCTGGGT GACAGCCTGC
28051 CTCTAAATAA ATAAATAAAT AAATAAATAA ATAAATAAAT AAATAAATAA
28101 ATAAATGTAC CCGGTAGATA TGGAATTGCT GAAGATGGCT AAGGGAGGGG
28151 TTTTATCATT TAGGTTGATG GTTGTACCTT AGTTGGTGAA ACCAAGGCTT
28201 GAAATTACCC TTCTAAGGTA CAGTTGGGCA GTTTTTTCAC CCTGCTTTTT
28251 CCTTTTTTCT GATCCAAGGG CGAGCTTGCT TCACCTTTCT TTCCAGATGT
28301 AGCAGAAGGA CTAGCCTCAG GCAAGCAAGG CTGATGTCTT AATAAACTGT

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28351	CTAGACCATG	GCATCCCTGG	GGCAAGAGAG	CCTTGATGTC	TTGCTGTGTT
28401	CCCCAGGCAG	GAAGGGGGTC	ACTTTGATTT	GAAGACCTAT	CTATCTCTTC
28451	AGGTCCTGCA	GTAaaaaata	GAGACGCGGT	TTATATCAGC	CAAGTGCPTA
28501	ATGCAATAGA	ATCATTTAGT	CTGTAAAAAT	TAGGAAGTAG	TGTTTACTAT
28551	AAGTAATGTA	CAATGTGAAT	GTCTTCATT	AGTCTTTGGT	CAATGGATAG
28601	ATTGCTGACA	ATGTCAGGCA	CTGTTTTCAG	CAGTGAACAA	AACAAAGTCT
28651	CTGTCTCAG	GGAGGGGACA	GTCTAGTTAG	GCTTTGGAAG	GAAATAGACA
28701	ATAAAATACAA	ATATATAATA	TACTAAAAATG	TGATTAAAGG	CTATAGATAA
28751	AAATAAGGGG	CCAGGCATGG	TGGCTCACTC	CTGTATTCTT	AGCACTTTGG
28801	GAGGCTGATA	TGGGAGGATT	GTTTGAGGCC	AGGAGTGTGA	GACCAGCCTG
28851	GGCAACATAG	TAGGACCCCA	TCTCTACCAA	AAACAAAATC	AGGATGTGGT
28901	GGCATATGCC	TGTAGTCTTA	GCTACTGGGG	AGGCTGAGGT	GAAAGGATCA
28951	CCTGAGCCCA	GAAGTTTGGAG	GCTACAGCAA	ACTATGATTG	CACCATTGCG
29001	CTCCAACCCA	AGCAGCAGAG	TGAGACCCCTG	TCTTTAAAAA	TAATAATCGT
29051	CATGAAATAA	AAATAAGGAA	AGAGGATAAG	GAGTGTGAG	TGTATATCTG
29101	GTAATGCTA	CTTGGTAGTT	CATATTACGT	TTGGTATTAA	ACAGCAGTAA
29151	ATATTTAGTC	TGACAAAAAC	ACCCAAAAATG	AAAGATCATT	GGAAGAGATT
29201	TTGGAGCAAA	ATTTACCATT	AAAGCTCTTG	TTTTTCCAGT	AGCAGGATAC
29251	AGTATCTTTA	CTTATGTTTA	TGTTTTCTGTG	TCTGGGCAAT	AGTGCAAAGA
29301	GACCAAGTAT	ACTGTGTGTT	AATCAGTTCC	CTTTTTCTGG	AGAGTTGGAA
29351	CCATTTTACA	GGGGAGTAAG	GCATGAATGA	GGGTGGGGAG	AAGGGGTACT
29401	TGGGTTTTCT	TCCGAAGGGC	TTCATTTTAC	TGCCTTGAGA	TCAGTGAAGA
29451	CTTTCACTTT	CAGGTCTCTG	GGCTGGTTCT	GTCTGTCTCT	GCCTCATTGT
29501	GTGTTTCTGC	TCTGCTGAAG	AGATTTCCGA	CTGGAATGAA	TGGGCGCTAT
29551	GGAATTTGGA	TACGATAGAT	TAGATTGGTG	CCCCATCTCT	CCCCTGTGAT
29601	ACATGGTCTC	CTTGCCTATG	TTAGGAGTTA	GGTGTTTTCA	GAGAGACTGT
29651	GTTTTCCAGA	TTTCAGCTTC	ATGCAGTGCC	TGAAGATATT	TTATTCTCT
29701	AGCAAGGGTC	AGGACACTCA	CTGTGTTTTT	CCCTTATCAT	GGTTAGATAT
29751	GAAGGACCTC	AGGGGAAATC	ATCCACTTGG	GGCCGAAAAG	CATCCAGACA
29801	CTCTCATTTT	GGTTTCTCCT	GGGGAGCTCA	TGGTTCTGAT	GTTCAGTGAC
29851	TAGTGTTTAT	TCTTAACAGT	GTTACCCCAA	GATCAGAGTG	CTCTCTTTCA
29901	GAAGATATGC	TACATGTTCT	AGTGAGAGAA	ACACACAATG	TTTGAAACTC
29951	CCTGTGAGTC	ATATCCCTAT	TGGTCAGAAA	TCATTGCCAG	CTTGTTCTCT
30001	ATGGTTCTAG	TGGAGAACAG	AGAGAAACTT	GCTCTGTGCA	TCCTGATGTA
30051	CAGTTGTGTC	ATCAAGGGCC	TCCCATTTCT	GCCTTGAGAG	AAGATAACAA
30101	AGGGGGTCAA	AGCAGATGCC	CTCTATGTCT	ATAGGGATGC	AGCCACAGGG
30151	GCAAGCCCTC	CTGTCCTGGG	CTTCCAGATT	TTTTTTCTCG	TTGTTGTGTT
30201	TTTTATTATT	ATACTTTAAG	TTTTAGGGTA	CATGTGCACA	ATGTGCAGGT
30251	TAGTTACATA	TGTATACATG	TGCCATGCTG	GTGTGCTGCA	CCCATTAACT
30301	CGTCATTTAG	CATTAGGTAT	ATCTCCTAAT	GCTATCCCTC	CCCCCTCCCC
30351	CCACCCACAA	ACTGTCCCCA	GAGTGTGATG	TTCCCCCTCC	TGTTGCCATG
30401	TGTTCTCAT	GTTTCGATTCC	CATCTATGAG	TGAGAACACG	CGGTGTTTGG
30451	TTTTTTGTCC	TTGAGATAGT	TTGCTGAGAA	TGATGATTTT	CAATTTTCAT
30501	CATGTCCTTA	CAAGAGACAT	GAACTCATCA	TTTTTTATGG	CTGATAGTA
30551	TTCCATGGTG	TATATGTGCC	ACATTTTCTT	AATCCAGTCT	ATCATTGTTG
30601	GACGTTTAGG	TTGGTTCCAA	GTCTTTGCTA	TTGTGAATAA	TGCCGCAGTA
30651	AACATACGTG	TGCATGTGTC	TTTATAGCAG	CATGATTTGT	AGACCTTTGG
30701	GTATATAACC	AGTAATGGGA	TGGCTGGGTC	AAATGGTATT	TCTAGTTCTA
30751	GATCCCTGAG	GAATCGCCAC	ACTGACTTCC	ACAATTGGTTG	AACTAGTTTA
30801	CAGTCCCACC	AACAGTGTA	AAGTGTTCCCT	ATTTCTCCAC	ATCCTTCCA
30851	GCACCTGTTG	TTTCTGACT	TTTTAATGAT	TGCCATTCTA	CCTGGTGTGA
30901	GATGGTATCT	AATTGTGGTT	TTGATTGCA	TTTCTCTGAT	GGCCAGTGT
30951	GGTGAGCATT	TTTTCATGTG	TTTTTTGGCT	GCATAAATGT	CTTCTTTTGA
31001	GAAGTGCTCTG	TTCATATCCT	TTGCCACTT	TTTGTATGGG	TTGTTTGTTT
31051	TTTTTCTGTA	AATTTGTTTG	AGTTTATTGT	AGATTCTGGA	TATTAGCCCT
31101	TTGTCAGATG	AGTAGGTTGC	AAAAAATTTT	TCCCATTTTG	TAGGTTGCCT
31151	GTTCACTCTG	ATGGCAGTTT	CTTTTGCTGT	GCAGAAATC	TTTAGTTTAA
31201	TGAGATCCCA	TTTGTCAATT	TTGGCTTTTG	TTGCCATTGG	TTTTGGTGTT
31251	TTAGACATGA	AGTCCTTGCC	CATGCCTATG	TCCTGAATGG	TAGTGCCTAG
31301	GTTTTCTTCT	AGGGTTTTTA	TGGTTTTAGG	TCTAACATTT	AAGTCTTTAA
31351	TCCATCTTGA	ATTAATTTTT	GTATAAGGTG	TAGGAAGGGG	ATCCAGTTTC
31401	AGCTTTCTAC	ATATGGCTAG	CCAGTTTTC	CAGCACCATT	TATTAATAGT
31451	GGAATCCTTT	TCCCATTGCT	TGTTTTTCTC	AGGTTTGTCA	AAGATCAGAT

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31501	AGTTGTAGAT	ATGCGCGGCTT	ATTTCTGAGG	GCTCTGTTCT	GTTCCATTGA
31551	TCTATGTCTC	TGTTTTGGTA	CCAGTACCAT	GCTGTTTTGG	TTACTGTAGC
31601	CTTGTAGTAT	AGTTTGAAGT	CAGGTAGCAT	GATGCCTCCA	GCTTTGTTCT
31651	TTTGGCTTAG	GACTGACTTG	GCGATGCGGG	CTCTTTTTTG	GTTCCATATG
31701	AACTTTAAAG	TAGTTTTTTC	CAATTCTGTG	AAGAAAGTCA	TGGTATAGCT
31751	GATGGGGATG	GCATTTGAAT	TAGTTTITAGA	GAGAGCGATA	CCAGCCCCAG
31801	ATTAGAGCTG	CTTGGACATT	GAGGAATCTC	CCCTTTAGGC	TGAGGACTAA
31851	AAGAAAGCTG	TGGGTGTAAT	ATCTAGATAC	TGCATGTCAT	TGTATTTTAT
31901	GTAATAACAA	CCCATTGACT	TATCTTCATC	TCTTTATGCC	TCAAGATATC
31951	ACAGTTCCCT	TAAGAGATTC	ATACTACAGT	CAACTTTTATG	CCTCAAGATA
32001	TCACAGTTCC	CTTAAGAGAT	TCATAATACA	GTATAGACAA	GAGAGGGAAA
32051	TCAGCCCTAA	TTTLAGCTGC	TAAGATAGTC	ATACCTATTA	GCTCTCCCAT
32101	CCTCACAGAC	AAGTCTGTCT	GGGTAAACAG	AATATCCCTT	GGTTACAAC
32151	GAGGTAAGTG	AGAAGAGGCA	ACTAGCCCAA	ATGGAAGTAA	AATTTTCATA
32201	AGCTAATAAT	ACTTCTATTC	CAGAAAATTT	CCATTTTCCG	TATTAACAAT
32251	AGTGTAACCT	TTTCTTTTGA	AAAAATTAAG	TACTTCAAAA	GCATCTTTTC
32301	ATTTGGTTTT	ATAGTAGTTC	GACTGAGGAG	CTTCAAAAAG	AAGATTAATA
32351	AAATTTGTTAA	TACAAGGTGT	TAATCAGTCT	TGGTTTCAGG	GAACCGTTAA
32401	TGAACAATGA	AAATACATTT	GAAATTATGT	TATGGAGAAG	TATCAGTCTT
32451	CTTGGTTCCC	CTGAAAATAT	GTTTTAGCTA	ATCAAAACTA	CTATGAATTT
32501	TATTTTGAGG	TACTTTTATC	TGGAGCTGGA	GAATAGAATA	CAGAAAGAAA
32551	TTGTATATGG	TAATAGTAGC	ATGGTGATAG	CATATGCCCA	AACCCATCAA
32601	ATTTGTATACA	TTAAGTGTGC	AGGTTTTTTT	GTATATAAAT	TATATCTCAA
32651	TAAAGTTGTT	ATAAAGAGGA	GAAATATGTA	CATTAATTTT	TGTGTTTTAC
32701	ACATATTTTT	GATGTTACTG	TAAACATATT	ATGACTTAAT	TTTCATATTT
32751	TCCTGAACTT	TAGAAATGTA	ACCCATAACA	AATAAAACCT	GGTTTTGAAC
32801	ATGTAATAAA	AGTCCCATCA	GAGGCACACC	ATTCAATTGAT	GCCCTTTAAA
32851	TGTACAGATA	TGTGCATTTA	ATTATTCCAT	ATAGCCCTTT	CAGAAGCCA
32901	AATTAAGCTC	CATCTACATA	TGTGTGAAGT	TATGCGTTTA	ATGGACTTGT
32951	ATCAAAGTAT	GCACACAATT	GACTCCCATT	TGCATTGACA	GATGATGTTT
33001	TAGTTCTTTT	AAGTGTTTCT	GTAGCCTCCT	TGACTTCCCC	ATCTGCAACC
33051	ACCATCTTGC	ACCTCTTTCA	GAGAACTTAC	TGTATTGACA	GACACATAGA
33101	GGGTTGACAG	AACTGAGCCC	TGCCTCACTT	AATGGAATAT	GTAAAAGCAA
33151	AGTTGATCCA	GTGACCAAGA	ATGAGGTTGG	TTAGTTTAGC	AAGAGTCAGT
33201	TATAAATAGG	TTGTATGCTT	GACTAACACA	GACAGGACCA	GCTATATAAT
33251	TTGTGGGGCA	CAGTACAACG	TGAAAAATGC	ATAGTCCCTT	GTTAAAAAAT
33301	TATTAAGAAT	TTCAAGCCAG	TGATAGACAG	GCATTAATCC	AAGTGTGAGT
33351	CTCTTTTAA	CAGTGGGCCC	TATGTGACTG	CACAGGTACT	ATGCCAATTC
33401	TATGGCCTTG	AACACAGAAT	ATTATGGATA	TTGTCATGGG	GAAGGAGGGC
33451	AGTTAAAGTG	TCCCTGTGTA	AAAGACAGAT	GTATGACATA	GTTCAGTAGC
33501	AATCAGAATA	ATTGAACAT	TTTGGCTCTA	AGGGTCTAAA	AACAATGAGC
33551	AAGGGTGAAG	TTATCTCAT	TGAGCAGATC	TGTATAACCT	CACATGGAGT
33601	TTTAAACATA	AAGGTATTGG	AGGCCATTTT	TAGTGAGAGA	AAATATGCTT
33651	GGTCTTGCCC	TGTGTTAACT	GCTCTGGTTG	CTTTTTTTCAT	CGAGGCAATT
33701	TATCTAGCCT	TCTAATAATT	CAATCCAAGT	TTATCTGGCA	AAACATTCTC
33751	TGGATTGAAG	GATGATGGAT	TAAGTATAGG	TGTGTTTCAC	ATTCACCTCT
33801	CTTACTTTCC	CAAGTTTTC	TGATCCTAAG	CTTACATCTG	TAGTTTTGAT
33851	CTTTTCATCCA	TTTTTTTAAT	CTCATATTTT	CAGAGATCTA	AAAGGAATTT
33901	CCACTTTGAGT	ATCTAGGCAG	TGTCAAAAAT	TTAGCAAAAT	AAATGGAATT
33951	TATCTTTTTC	TTGGGTAGAT	ATCATTTCATA	ATTCTGAAGA	CTGTGTAACA
34001	GTATCACATG	TGACTGTCTT	CTCTTTGCCC	AGATTGTTTT	CCAAAGTGGC
34051	TGTACCATT	TGCATTCCCA	CCAGCAGTGT	ATGAGGGTTT	TAATTTCTCT
34101	TCATCCTCAC	TGATACTTAT	CAPTTGTCC	TTTGATTCTA	GCTTTCCTAG
34151	TATGTAGTAT	GTGTAAGTG	GTCTCCTTGT	GGTTTTGATG	TGCATATGCT
34201	TGATAACTAA	AGAGACTGAG	TAGTTTTTAA	TGTGCTTATT	GGCCATTTCT
34251	ATATCTTCTT	TGGAGAACTG	TATTTGTTTG	TTTTTATATT	CCAGTCCCC
34301	CATCCAGAAC	TGGGCATACT	GTAGGGACTC	AAAAATGAAA	GTCATAAATC
34351	ACTTGTAGCA	GAATCACCTA	CAGCTCCGAG	AACTCAGCTG	AAACCTGCTA
34401	TAGATCAAAC	TTTCCACACT	TAGGCCTAGA	GATCTACATT	TAAACAAGAT
34451	CCTGGGGGTC	CTGTTTCACT	CTGAAGTTTG	AGTAGCATTG	CCTTAACTAA
34501	AGATTTTTTA	AACATCTGAA	GAGCTTCAGT	ATATTACAGG	GTAACATATG
34551	TCTATGCTGT	TCTAGACTGC	AGAAGTGGGA	CTAGCAGACA	AGAATCACAG
34601	GCAAGGACAC	ATTAGCTCAT	TAAAGTGGTG	CAAGTTGAGT	TTAGCTGGCC

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34651 CATCTGCCAC AGAAGGAAGT CTTGCATTGG GTAGAATGTA GGGCAGGTAG
34701 GGCAGGATGT AGTCTTTCTG GGGATGTTAT GCTATTTCTA TACCTGGTAG
34751 ACCCATCTA ATTTTATTC TGCCCTATGA TCAGATAGTG TATCTCGGTG
34801 TTGGCTATAT ATAAATGAC AAAGTCTCTT CTCAAGGACA GTGTGTAATT
34851 TTTTCCTACT TCTGTTTCAT TTCCCTACTC TTGCTTTTCT CTGAGAAAGG
34901 GAAAAACAAGA TTTCACCACT TCTACACAAA GTAATTTACT TTAAAGACTG
34951 CTAATACATA TGTATCCTCC TTTCTGTTAT CTTATCAGGT CTCTCGGATC
35001 CAAGCAACAA AATAAGACTT AGCATATTGA CCGGAGCCCA AAAGGAATTT
35051 ATTATAAATT TAATGGGTGG GTCACAGATT CACCAAGGAT TTCTGGAGGG
35101 CCAGACTAAG GACAACCTCC CTGCCATCAC TGGTGTCTGG GCCCATGGCA
35151 CTGCTGCCTA GGAACCTCAT CGTGCTGCCT CTGCTACCAC CACAGTGGCC
35201 TTCTTGAGGC CCCTCATTCT TGATGTCATC AGCACCCAAT TCTGAGTCCA
35251 GGGCATCAGA CTGTAGCGTA CACCATGTTC AATCAAAAGA TAACTGAGTT
35301 GATAACGAAT GAATTCATG GGCACCTAGT ACAGTAGGCA CCAAAGAGCA
35351 AGTAAACAA GTAAAAACA AACAACAAAT AAAACCCAAA ACCCTCCTCT
35401 AGGAGCTTAC ATTTTAGGGG AAGAGCTGAG GCACACAAA CTTGTTAGGC
35451 AACAACTTC CCTATACCA GGAACACGAT TTAGGGTGAC AGAACATGTG
35501 TGTAGCAGTA TAATACAGT GTTGTGGAGT AATTTTCATA TTGTTGTGTA
35551 ACTTGGGAAT AGATGTACAT GGCAGCTCCT ATTTTCCCTG GAACTCTGAT
35601 CACCAACAA GGTATTCAAC CTTGTGATCT GAACCGGAGA ACCTTCCAGG
35651 TTAAAGGCTA AAAATGCCTT TGCAGACTTT CTCTCCTCTG CTGCCCTCTC
35701 ATTACTGTAG CCTGACTTTT TAAGAAACCA ACTTTGTTGA AGAATAATTT
35751 ATAGACAATA AAGATACCC ATTTGAAATA CACATTTCTA ATAGTTTGA
35801 CAAATTTGCA CACTGTGGTA GCCACCACCA GAAATAAAAT ATAGAACATT
35851 CCTACACCTT TAAAAAGTTA TCTTGTGCTC CTTCTAATCT TCCTCCACCC
35901 CAAACCCAGG CAAATACTGA TATGCTTCTG TGACTATAGG TAAGTCTTTT
35951 CTAGCCTTTT GAATAACAG AACCATGTGG TATGGACTGT TTTCGTCTGG
36001 CTTCTTTCAC TCAGCATTGT GTTTTAGAGA TTTAGCACC CAAGCTGATT
36051 AAACAAGTCG TGGTGCTAGT AGAGATGTGA CTCCACAGCT CTGACTGTCA
36101 AGGAGGAAAG TAGCTGGGAC ATCATCTCCT CTATTCTGGC CAGTTCAGG
36151 CTCCAACCGA TCCCCACTAA TGCTGTAGTA GGAGACTCAG GCATTCACTG
36201 TAATCAACTA CATAAAGCTA GGCAAGAGAA ATGGAAGTAA AGGGATCTCA
36251 GGGCAGTGTT GGCCAGCTG ATGAAGATAA TCTCTCAACA GAATCAGAGA
36301 ATCTTAGGTA TGAATGAAGT TTTAAAAAAT TATTATTTT GTTATTTTAA
36351 GAGACAGACT TTTGCGCTGA TGCCAGGCT AGAGTGCAGT GGCACAATCA
36401 CTGCTCACTG CAGCCTCAA CTCCTAGGCT TAGGCAGTCC TCCTGCCTCA
36451 GCCTCCCAAG TAGCTGGGAC TACAGCCACA TGCCACCAG CCCAGCTAAT
36501 TTTTTTACTT TTTATAGAGA GGGGTCTCA CTATGTTGCC CAGGCTGGTC
36551 TGAAGCTCCT GGAATTAAGC AATTCTTCTG CCTTGGCCTC ACAAAGTGCT
36601 AGGATTACAG TTGTAGCCA CTGCATCTAG CCTGAATGGA GCTTTTACGT
36651 CATCTAACCC AAGCCCTTA CTCTGTGGTT AATTAAGATA ATTCAGCAGA
36701 GTATTTTCA TTCCAGGACC ATCTTCTCTA TGCCCTGAAT TCTGAGTCTT
36751 GAATACAAGA CAACTTTGG AGGGCAACTG TCCTTTTCTC CAGATGTAGT
36801 AGAAAGGAAG GGGACAGAGT GGGAAACAGA AGCAAGAAA AGGATACAGA
36851 GATAGGATCA TGAATAGAG AGGTGGATGG GTCAGGTTTG GGAATAATGA
36901 TTAATACAGT CCCGATAGAT AGGGTCCAGT TGATAGAATA CCTTGAAGTG
36951 GAGGCTTAAT AAGTTTGTG TGATGGGGAA TACAAGAGAA GATCTTTAGC
37001 AAGAGAGTGA CATAAAAGTA GTATTTGAAA AATGATTATC CTTGAGCTTA
37051 AGGAAATCAT AGAGTAACTC ACCAGCCAGG AAATTTACTA CAAGTGTAAG
37101 ATTACCCGTA TGACCTAGCA ATTCCATTCC TAGGTACATA CCAAAAAGAC
37151 ATAAAAACAT ATATCCACTC AAAACCTTGT ACACAAATGT TTACAGCAGC
37201 ATTATTCATA ATAACCAAAA GGTAAGAAACA ACCCAAGTGT CCATCAACTG
37251 ATAAATGGAT AAACAAAATA TGGTATATCC ATACAATAGA ATATTATTTA
37301 GCCATGAGAA GCCATGAAAT ACTGATACAT GCTACAGTCT GGATAAACCT
37351 TGAAAACAAT ATGCTAAGTG GAAGAAGACA GTCACAAAAG ACTACATATT
37401 CTATGATTCA ACTTATATGA AATATCAAGC AGGCAAAACC ACAGAAAGAA
37451 AAGTGGTTGC CAGGGGCTAT GGAGAGTGGG GATGGGTAGT GATTGCTGAT
37501 GGATAAGGGA TTTCTTTGGG GACTGTGTTA GTTTTCCAGG GCTGCCATAA
37551 TGAAATGCCA CAGACTAGGT GGTTTGAATA ACAGAAATTT ATTTTCTCAT
37601 GTTCTGGAGG CCGAAAGTCC AAGAATAAGG TGCCAGCAGG GTGATTTTTT
37651 TCTGAGGCTG CTCTCCTTGG CTTGTAGATG GCCACCTCCT TGCTCTGTTT
37701 TCACATGGCC TTTCTGTGTT TGTGCAAGCG TGTCCCTGGT CTCTCCTCT
37751 CCTTATAAGA ACAACACTTA TATAGGATTA GGGCCCACTC TGCTGGCCTC

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37801 ATTTTAACTT AATCGACTCT TTCAAGACCT TATCTCCAAA TACAGTTACA
37851 TTCTGAGGCA CTGGGGGTTG AGACCAACAT ATGAATTTTA GGGGGACACA
37901 ATTCAATCCA TAATAAGGAT AATAAAGGGT TCTAAAATTA GACAGTGTG
37951 ATGGTTGCAG ACCTCTGGGG ATATACTAAA AGCTACTGAA TTGTACTACT
38001 GAAAAGAGTG AATTTAATGG TACATGAATT ATGTCTCAAT AAAACTGTTA
38051 GTAACAAAAA ATAAAACTA AACTGGACAT AGCTCTTGCC TTCAAAGAGC
38101 TTATGGACCA GTCAGGCAAA CAAGAATGTA AATAGGCATT TTCAACCCCT
38151 TGCAGGGCAT GCTAGATGGA GATGTGCTTA TTCTATTTTT ATAGACTAGA
38201 GAAGACATTC TGAAGAGTG AACGTTGGAG CCAAACCTAC AGAATGAATA
38251 TAAATCTGGC AGAGAAAGGG TAGAGACAGT GTGTCCAGCA CAGCGGAATA
38301 GCATAAGTGA AACATCAAAAG GCATGAAAAC CCTGGCATGT ACAAGGAAGG
38351 AACTTTACAA CACAGTTATC ATGCCCTTGC TAGTCTGCTT TCTCTTGTTA
38401 TTATTAATAA TTAATGCTG GATAAAGATT ACATTAACAA TGAGTAGAAA
38451 GAGCTTTGGT CTTAAAGTCA GACCTCCTGC ATTTATATCT CAGTCTTTCC
38501 ACTTACTTTG GACAATTACC TAAACTACCA GTCTCAGTTT TCTTATCTGT
38551 AAAATGGGGA AAATAAGGAT GATTCTATAT GGTTGTAAGT CTTAAATGAA
38601 TGACAAGGAA AACATTCTTA GCACATTTTC ACAAGTTATT CCTTGAAATA
38651 CATTAGCTCT GTCCATCTCC TTGTTTCTCT GACTATTCCT TGGATAACTT
38701 GGTTTTAAGA CCCCTCAACA TCTTAAATC ATTCTTGAA CTAACCTTGG
38751 TGACCATATT CCCCTGAAA TGAGGCCTGA ACACCAGGGG TATGATGGAA
38801 CCAAGTGTA TGATACTAAA ATCTTTCATA CATTTCAAAA TCAGCCTGGA
38851 ATATTGGCTC TTTTAGCAGT CACATACTGT TTCATATTGA ATTGGGGTGG
38901 TGGGGGAGGA AGTATTCCCC TTCCCACATA CTTTCCCAG AGTTTTTATA
38951 GATGAGCTGT TCTGCTGTTA AGTCAGGTGT CACTCATCTT AGATTGAGG
39001 ATTTGATTTT CCTGACTCTA ACTATAAACT TCAGGTTTTA GTTTGCAAAA
39051 TTTAGTCTTG GTGATTTCCA GCTCGTGTTC CAGCTTCTTC AGTCATTTTG
39101 AAAAGGTGAA TTTCCCTTAT GCCTATTGAT TATGCTGTCT GGCTTTGTGT
39151 CTTCTACAAA CTTGGTAAAT GTGTCTTTT AGATTTTCAT CCAAGTCATT
39201 AATAAAATGT AAGTGAGGAT ATTGTTAGGG ATCTCAATGG CATTAGGAAG
39251 TACCACCTGA AAAATGGCCT AAGACACAAG AGTCCAGCAT ATTTGGTCTG
39301 CTTGTTTGAC CAGCTATGAA TCCACAAGAA GACTGCATTT CTCCTGTATG
39351 AAAAGGATAT CACAGACTCA TCTCTTTGAC ATGTTAACAT GGTTTTATCA
39401 GATGGGCTGA AATCATGATA TACCACAAC AATTGCTTCT CTGTGATCTA
39451 CCAATCAACC CTCCACAGAA AGAAATTAGG TTAATTTGGC ATATTCTCCA
39501 TAAGCCCATG TGAGCTCCTG CTGGCCGCTG CTTTATATTT TAAATTCTCA
39551 CAAGCCATCT GTTTAATCAT CAGTCTTCA ATATTGCCAG CGATTTGTGT
39601 CAGGATTATT CTTGTAAAAT TTTTGAAAAA TACTGCTCAT AAAAATTGGA
39651 ACATGTACAT GTGCCTTGGG GACAGGGAGG GCAGGAGGGC ACCTCTCCCT
39701 TTTTTTTCCG GATTATTCAG ACTATCAACC TTGTGCAGAG ATGTATTTTT
39751 GAGTTGTGTT CTTGTGTGTA AGCTCATTGG ACTTTGACTT CATAAACTCA
39801 GAAGGCAGCA TCCCATAGGG GTGAGATAGT TAGATGCCCG GGATTTGGAA
39851 GTGGGGGCCA GGTGCGGTGG CTCACGCCTG TCTGTAATCC TAGCACTTTG
39901 AGAGGTCGAG CGGGCTGAT CACTGAGGT TAGAAGTTCA AGACCAGCCT
39951 GGCCAACATG GTGAAACCCC ATATCTACTA AAAAAAATA AATACAAAAA
40001 TTAGCCAGGC ATGGTGGCAC ATGCCTGTAA TCCCAGCTAC TCGGGAGGCT
40051 GAGGCAGGAG AATCACTTGA ACTTGGGAGG CGGAGGTTGC AGTAAGCCAA
40101 GATGACACCA CCACACTCCA GCCTGGGCGA CAGAGCCAGA CTTGTCTCAA
40151 AAAAAAAAAA AAAAAAGAAA AGAAAAAGAG GATTTACAAG TGGGATCTCA
40201 GTTTCATTAT TATTGAGTGT GTTTTGTAC TTAACAGACT CTGTGTCTTA
40251 ATCTCTCTGT TCTTAGTTT CTTTATTTCA AGAGGATTTT AATAGTTTCC
40301 TAGCACAGTA CATGGTGCCA AATAACTGTC TCATGTATGG CGCTTACTAT
40351 TGCCATAATC ATCACCAGTA TCACTATTTT AGTGGGTAGA GGTTTTCTCA
40401 TGATTATCTC ATATCTTGGT CTTTGATTAC CTCTTTAGGA TATTGATTTT
40451 ATCCTTTTAA GGTGCATGAC AGTTTCTTAT AGCTTTTAAT TATTTGTCTC
40501 TGCTCTGCCA CTGATTGCA AAGTCCTTGA AGGCAGAGGC TGTGCCTGTG
40551 ACAAGTAAAG TACCTCCAC AGATCAGGTG CCCCATACAC GTGCACGTAA
40601 TTTAGAAACT GGAATTAAGG TAATAGTTGA GAAGCTTTTC TTAAGTTAGA
40651 CATCAAAGTG CATTATTTCA TATGTAAGTT GGAATTCTGT TTCTGAATGA
40701 ATTCTATTCA ATAGAACCAC TGATGTCTC CTTGGGAAAC ATCTTCACTG
40751 TTATGTGACT AAAATTAAAA CTGGCTTATG ACACTCGGGA TCCAAAGATT
40801 GAAATACCCC TCGTAATAGG CAAGAATTGT ATCACATTAC CATCAACAAC
40851 AGCAATAGTA CTAATAGTAA TAATAAAAT ACCTTTCAAG AAGTTTGGAA
40901 TTAAATTTGA AGCTCAATCA TAGCAATAAT TTCTGGCCAG CATATTTGTG

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410951	TTCTTTTCCC	TATTTGTGTT	CTATTCTTGC	TGGTCTTAAT	TTTTTGTGTG
41001	ATTATGTAAG	TTATGTCAAA	TTGTCTGTGA	AATGAGGCTG	AGTATAAATA
41051	CATTAAGGTA	ATAAATTATG	TAATAAGAGA	TGTTCAAAGG	GTCATTGGGC
41101	AGCTGTACTT	TATCATTACT	GGGAACAGAA	CAAGAAGAAA	CCAGTGCAAA
41151	CTATAGTTTA	AAGAATTTGG	GTTAAAAATG	AAGGAAGATT	TTCTTCCATG
41201	TATTTTAAAA	CGGACGGTTT	TGGGGTCATA	TCAAGTGTGG	CTGTGGAAAT
41251	TTCTCAGGAG	GGCATGTGAT	CCACTCTCTG	GGCCTCTCTG	AGTTCCAGTG
41301	TTCTCATCTG	TAAGATGATG	AAGCTGGACT	AGCAGCTGTT	CCCAGTTCTT
41351	TGTTTTCAAA	TGAGATTTCA	AGGTTGCTGG	GAAGGAGGGG	TGAGTAGGTT
41401	GGGGGATGGA	GGGGGACACA	GTCCCTGTCT	GTGGTCTGCT	TCTTCAAATC
41451	CACCCCTCTG	CCCAAGCCTC	TAGAGAACAC	TGGGGCTCTT	CAACACTTTT
41501	AGCCCTGGCA	GTCTTCCAGA	CCCCTGCCCT	TTCTCAGCCT	TGCTACTCAA
41551	AGTATGGTCC	CTGGACAAGC	AGCTGCAGCC	ATCACCTGAG	ACCTGAGAAA
41601	TGTAGGCTCT	CAGGCCCCAC	TCTAGAGCTG	CTGAACCAGA	AGCAGCATTT
41651	GAACAGATCC	TGTGGTGATT	TGTATGCACA	ATAAAATTCA	AGAAGCACTG
41701	CTCTAAGACC	CTGTGTCCCT	TCTTTGTATT	CAAGTATCAC	ACTTTTTTGAT
41751	TCTAATGTTT	TCCTTTGATC	ATATTAACAT	GAAAAATATT	TGACTTATTC
41801	TCAGATTCCA	GAATCTCTAG	AAACAACACT	CATAGAAAAA	CAGGCCCAAG
41851	CTTCTTTTTT	TTAGTGTCCC	TTACTCAACA	TTATGTCTCT	AGGAGGATGT
41901	CTCTGCTGCA	GAGCTCCTGT	AGACAACCTG	GGCAGGCGGG	AGAAACCACA
41951	CAGCATCTCT	GTGACTGTAG	CAAGTGCTTT	GTGACTTTGT	GTGTGTTACA
42001	AATCAATGAC	TAAATCCATA	AGCTGTCAAT	CAGGGAAACT	AGATCCTTCC
42051	TAGTAGTAGA	TTCTCCTTTG	ATCTGTCTTG	GTAGGTTATG	CCCTGACTTT
42101	TTAGGTGCAC	AAAAATAGAC	TTTTATTTTG	GTATAAGCAC	AACTCAGCAA
42151	AAATATAAGA	CCCAGAATCA	GTGTTTAAAC	CCTTAAGAGG	AAGTATGCTT
42201	ATACAGAGTT	TCATTTTCTT	CCCTTTCCAT	CTCAAACCTA	AATGCAGTAA
42251	CAACTGGCTT	TATCCTATAG	TTAAAAAGTT	GTAGCTCAAG	CCTGCATATT
42301	ACACTTGCCA	TGATGATGAA	ATAGAGATTG	AAATTTAGAA	TTATAAACTT
42351	TTGCTATTTT	GGCTGTCTTA	CTGTTAAGAC	AGCCAAACCA	CTGCTATTAT
42401	AAACAAGGTT	AAAGAACTTT	ATTTTCATTAA	AACCTTAGAT	TTTTTTATTT
42451	TTTTTTTTTA	GTTTATTAGT	TTAAACAAC	TCTTGCCCTAG	ATTATAATTT
42501	AAATTTTACT	TAAACAGTGT	TTATCTTTTC	TCATTTTTAC	CTACTCAAGG
42551	AAATGGAGCT	AATCAGCTTT	TGTTGCTTCT	TAAACTCAA	TTTGTTACTG
42601	TATCTTGATT	TTATTGTCAT	CTGATTGTCT	CATTGAAATC	TGCAATTCTT
42651	GTATTTTTCT	GTAATATTCA	AAATACAAAC	CTGGTGGGAC	TGTAAACTAG
42701	TTCAACCATT	GTGGAAGTCA	GTGTGGCGAT	TCCTCAGGGA	TCTAGAACTA
42751	GAATACCATT	TTGACCCGAC	CATCCCATT	CTGGGTATAT	ACCCAAATGA
42801	CTATAAATCA	TGCTGCTATA	AAGACGCATG	CACACGTATG	TTCTATTGCG
42851	CATTATTTCG	AATAGCAAAG	ACTTGGAAAC	AACCCAAATG	TCCAACAATG
42901	ATAGACTGGA	TTAAGAAAAT	GTGGCACATA	TACACCATGG	GAATACTATG
42951	CAGCCATAAA	AAATGATGAG	TTACAGTCTT	TTGTAGGGAC	ATGGATGAAA
43001	TTGGAATACA	TCATTCTCAG	TAAACTATCG	CAAGAACAAA	AAACTAAACA
43051	CCGCATATTC	TCACTCATAG	TGGGGAAGAT	AACAATGAGA	TCACATGGAC
43101	ACAGGAAGGA	GAAATACACA	CTCTGGGGAC	TGTGGTGGGG	TGGGGGGATG
43151	GGGGAGGGAT	AGCATTGGGA	GATATACCTA	ATGCTAGATG	ACGAGTTAGT
43201	GGGTGCAGCG	CACCAGCACG	GCACATGTAT	ACATATGTAA	CTAACCTGCA
43251	CAATGTGCAC	ATGTACCCTA	AAACTTAAAG	TATAAATAAA	AAAAAATACA
43301	AACCTGGAAT	GAATTATTCA	TTAGAATATT	GCATTTTGAA	TATTAACCTA
43351	ACACTAATTT	TAAATTTGGA	GCATATAATA	ATTGTAACAG	AAGTACAACCA
43401	AATTATCTGT	GGTAAATTTT	TTTATATCCT	TATTAACATT	GTTATGCTCC
43451	TTAATTTCTG	CGCTGTCATA	AGTAGGATCT	TTGCTGTAAG	CTCAGAACTT
43501	CTCAAAGCGT	AATGGAGTGA	ATGAGTGATT	TGTTGCCTAG	AGTCTTATGT
43551	TATCAATATT	TATTTTGTGT	TTTAAGGCAT	ATTACTACTT	TTCCATTGTT
43601	TAACAATTTT	AAATCAATGA	ATTTTGCTCA	GTTGAACCTT	TAAAAAGACT
43651	GGCCCTCAAA	CACACAAAAT	TATACCTGCA	GGGTGTGGTG	ACTTGGAAAC
43701	ACCTCACAAT	GTAGACTTCA	CCACCTTGTT	AGGAGAGTAA	GTCTTGAGAA
43751	ACACTGCCTC	CCTCTTCTGT	ATGATGTCTT	TTCCCAAACC	TCCAATCTG
43801	CGGTGCTATA	ATTGGCAATA	TTCCTAGCTT	CCGTGAGATT	TCTGTAACCT
43851	TCAAATGATA	ATGAAGAACA	GACATAGGGT	CATTAGTGCC	TCATCGAAAG
43901	CAAAACCATT	ATTCCAATCA	CAACGACAAG	TTGTTTTTGT	TTTTTTCTTT
43951	TTTTCTTTAA	TGCTAGGGAA	GGGAAGAAAG	CAGATGTCA	GAGTTTTTGT
44001	TCTTTGAAAA	ATGAAAAAAT	TTAGACTGTC	TTACTCATTA	GACACTGAAG
44051	ATCTCTATAC	TAACACGAGA	AAGGGAAAAC	CATTAATTTCT	GGAGACAAAA

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44101 GTCTATTCTT CAGAATTGAT GGTCTGTTTC CTCCTTCAAG AGGTAAATGG
44151 TGGCTCCATT GTAACCTGCT TTGTGACCTT GGATAAATTG CTTAATGTCC
44201 CAGGACTTCA ATTGATTGAG GTACTTTGAT TATCTGCTTT CTGAGGGTCT
44251 TGTCAGCTT TAAAATTCTA CAAAAACATA AAATCCATTT CAAAACCTGGA
44301 AAAGAAGCTG AATATGGGGG GAACACATTA AGAAAATTTG GTAGCTTTGT
44351 GCTTCTCTTG GGCCAGGCCA TTACAATGGG TATTATCATT TCTCTGAGAT
44401 ATTGTGAAAC ATCAGAGCAA AACCTTTTTT TTCAGGTATG AATATCTGCC
44451 ATTTTTTTGT CTATGCTAAT GTTATTATCA GCTCCACGG GTAATTCAGC
44501 TTCCAGATCA AAGCTATTCC AGCAAGTATG TTAGCAAGCA AATTTTTATA
44551 AACTTGCATT TTTAGTACTT TTTTATCTCC TATCACTAGA GAACTATAGA
44601 AAAAGGTATA TTTATTACTG TTTGTAAAGT GTATTTTCTT TTTCTTTTCT
44651 TTTTGGCAG GAGAGAGTGA AAACCAAATA TTTTAAGAAT TCTTTTTTTC
44701 TTGGTCTTTT TCAACTCAGT ATTTATTTTA AAATCTTTAT ATTTTTTGAT
44751 TGGCGAATCA TCCATTCCCC TTGCTTCACT CTTTTCTTTC TTGCCTCTCA
44801 TTTTAGATTA TCTTCTGTTT GCTATTATTA CTTCTATATC ATCACCTAAG
44851 GGAAGAAGGA TAACACTGGT GGAATTTTAA TAATTTTGAA TTCTGATGTT
44901 TTTAAATAAC TTAAAAAATT TTATATAAAA TAATTTTGAA TTATGTTTTT
44951 AAATTAAACA AATATCATGT TGTTTTAGTT TTGAAATGTA CTAATAACAA
45001 AGAATTTTTA GTCATTTATC CCCCAGTTTT TTTTCTCACA ATAGGTTTCT
45051 TTCTGTGTAG TTCACTGTAG TTCATTTTGT CATGATTTT AAAAGATTCA
45101 TATCAATGCT CAAATAGAAA AGAGCCAAGT TATACATTTT TTGTTTAAAT
45151 TAGTAGACTC ATTAAGTCTT TTCTAAGTAA GTAAGACATA GCCCAGTTCT
45201 CAAAGGGCTT ACCTTTCTTC TAATCTTTTT ATACAGCATA GCTATACCTA
45251 AATAACTTTA TCATTTGGGT TTTTATAACC TTAAGCATTT ACAAATGAGT
45301 GGAATATTTA CTGTACTACA TTCTCTACCC CTGATTCTAA TCTCTTCTTC
45351 TTTAAACATC TCCTCTTCTT TCTTGTAGCA AAGTGGTAGT ATCAGGAAAT
45401 GGCTGATGCT ATCAAAATGG CTTAAACAAT AAGAAACTCT TGTCCTCTA
45451 TCAAGAAGTC TAGAGAGAGA GCAATTCTGG TTTGACTAAT TCAGCAGCTG
45501 AGCAACATCA TCAGGGACGT TGGGGCCTTC TCTCTTACCT CTCCATGTTT
45551 CTGCCACTCA TGTAGGGTG GCTTACTTCA TGGCTCCAGC TGGCTGCCAT
45601 AGTTCAGGA GTCACATGCA GATGATCACA TGCAGAGGTG GATTAAAGAA
45651 GAGTTTCTCT TCATGCTTCT CTTTTTATCA GTGAGGAACA TCTTTTCCAG
45701 ACCAATTATG ATTACCACCA GGAAGTAGGG GAGGATCCTC CTTTCCAGAG
45751 CATATGATGG TAGGGGTGTT GGGGGATGAC TGTGTGGGGT AGGCAGTCAT
45801 CAGTGTCTCT CACAATAAGG AGGCCACAAT ATTCGATGAC TCTGCCCATC
45851 TGTATAAATA AGAAAAATAG AATTGCTTGA CCATTTGTCT CAGGTTGTGG
45901 GGGAGAAAGA TAGGGACAAG GAGGAGCTGT ATATGATTTT AAGGGGAAGT
45951 TAGAATTGAC CCAAGGCATC CTTGGTTGTA AAGAGAACTT TTAGAGAAGT
46001 AAATAGAAAG AAGTTCCAGA AAGCTGTCTC CTCCATGAAG GGAATCCACT
46051 CATATTGTAG GTAAAAGAAG AGGGAAGGGC AATTTTTTCT CCACTCTTCT
46101 ACGAGACAGC CCCAGCAGCT TTTATGGAGG CTGTGACTTA GAAATGGGGG
46151 GGAATGGCTT GTCATGTTGT GAGGGCACA ATGCACAAGC TTTTTTAAAC
46201 CTGCCTGAAC AATGCAGAC TTTTGTGCT CCCCAGTGAA TTAACATGCT
46251 CTGATGCATT TTTTTTGGCT TGGCTATCAA CTCTTTGGTC ATGTGCTTGG
46301 GGAAGGGCTT TGCATGACAC AGCGGTGAGA CATTTTATCT TTTCTCCATG
46351 TGACTTCCAG GAAGCCCTCT AGGGAATGAC AGGACATGGT CCATTTGGAC
46401 GCCAGCTCTA TTCTTGCACT GACACAAGAG ATTCTCTGCA GAGAACTCCA
46451 GGGAGCACCA GCACTATTTT CAGCCTTGAG ACATGTGCTC AAGTCATTTT
46501 TATTTTGTCT ATTTATACAG ATGGGAAAAG TCATAGAATT CACATGATGG
46551 TTATTAGATA TTTTTTATTC ATGCAATATT TGTCTTCAAA CCACCTACTC
46601 CTAGAATTTT TGTTTATCCT CTTCTGCTCC TTAAAACTAA AAGGCAATTT
46651 GCAATGATTT GTTATAGTAC CAGCACTGAG ACACTGCATG AAAGTTGTCA
46701 CCACAAATGG AAATATAATC TAGACAGCAG CCAGAAATAG CATGTTTGCC
46751 AAACAAAAT ATCTGAAATA ATTTTACTCC TTTTTTGTTC TTTATTAGCT
46801 GTATTATTAA TTATTGCCT ATTATCTGTA TGTAATACTC ATATGCTGCT
46851 AAAATATTG TAAACAAAAT CAGTCTTGAA AAGCATAGTA AATGGAATTT
46901 ATCTATAGGT TGTAATTGGT TTGCAGTTTC ATTGTTGAAT ATTTGAGGCA
46951 CTTTATTTTA CTTTGTCTAG GAATCTTTAT TTGCTAGCCA TCTTCAGGAG
47001 TATAGGGAAA CCGGGCCAGA ATTTAAATG GGAGGAATTT CTTTATTTT
47051 TATCCTGTGG AAGACAGTGT TGGGGTCTCT CCTATATCCC CTGGGCACCT
47101 AACATTTTCT TATGCATGGA CTCAGCTCC AACTGCCTGC ACATGCAATT
47151 CTGCCTGAGT GCTCTTTCTA GCCATTAGGA TTTCTGTGC TCTGGCAAGG
47201 GAGAAGAGTG GAGGAATTAA TACTTCCAGG GAGCAATTTT AGCCAGTGAA

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47251	TAATGGGAAT	TGGTGGATTA	GTATCCCAGC	CCCATTACTC	CTCACCCTTT
47301	GGGCAGGAGA	ACTCTGAGGT	TAATGTTCTA	CACTAGCTCC	CAGAGTTTCT
47351	TGACAGAATT	AAGCTCCAAC	TGCCCTCAGT	GATAACTGTC	TTGATGATAT
47401	ACCCTTTTCAT	GGCTTCCTTC	CCCTCCTGTC	TCACTTCCCC	ACTTTCTCTAT
47451	TACTTCCCAA	ATTACTACTT	GCATTCAAAT	CCTTGTCTCA	GGGTTCCGCTT
47501	TCTAGGGGAC	CCAAATGAAG	AGAGTCCCTC	AGAGCAAAGC	ATGGCTTAAAT
47551	GGGAGGGTTC	CTCATGCTTA	TTTTAAAGAT	CTTGCTATGT	AAAGCTTAAA
47601	TATTTTTTGG	AAAAAATGGG	GAATAAATGG	GTGGAGAGGA	AGGAAGAAAG
47651	AAAACAAGGA	GGGAAGGAGA	GGTTTATGAA	CCTGACAGTT	TTACAGTTTT
47701	ATATGTCTCT	TAAAAAATAC	TCCTCCTCCC	TGTAACATTT	TAATTCCACA
47751	TTCCATAATG	TATAGTGTGA	TTTTGTGTAT	GTGTATGTAT	GTGTTTACTTC
47801	TAAGGAAATA	TACAGCATAT	ATAAAATATT	GTAATATATA	ATATAATGTA
47851	TAAAGTCATT	TTTTAAAGA	GTCAATATGCT	GTTAACTTT	CATAGCCTAT
47901	TCAGGTAATG	CAAATGCAGA	CACCTCTCTA	CTGGATATTG	ACTTATACAG
47951	GGCAAATGGT	AAAGAATGAT	ACATTCAATTT	ATTTTGCTGC	TTGAGCTCCA
48001	CCCAGGGAAA	AGGCAATGCA	GCAAGTATAA	AGCGGTTTGC	ATTTGCAAAA
48051	GTGAACATCC	TGAAGCTCTA	GTCCGTCGAT	TTTGCCTTTT	CTTCCTGCCT
48101	AAAGAAAGGT	TAGGAATCCT	ACTGCGCCAC	CCCAGCTCTA	TTTTAGCAAT
48151	TATCATGAGT	TGTTCCAAC	ATTTATATAC	TTGTTGGCCT	CCCCATGGGA
48201	CTGAGCTCTC	TTGGAGGGCA	GGAGTTTTGT	CTTTTTCGTC	TTTATATCTC
48251	CAGCACATGG	CATGGTATTT	GGCACATAGA	AGATAGTTAA	TAGACAGTAA
48301	AGTAACAGAA	GGTGAGATT	TCCTGTCTCA	AAGTCTTTGG	CAGTTTGTTT
48351	CTCAGTTGCT	GATGTCTGCC	ATGGGCACCT	ACAGTTTGGC	ATTCCTGCAC
48401	TGCACCATGA	TGCCCCTTTA	ACCCCTGCTG	TGTCCAAAGG	CTCTGCTACA
48451	TGTTTGTGAT	CGGGTAGCTG	AGAATGGACA	AGTCAAAATTA	GAGAGTTCTA
48501	ACCCCGGAAT	GAGCTAGTTC	CACGGGTTTA	ATTGTTAAAA	AACAAAAAGC
48551	AGTGCATATT	GTGGCATATG	GGGATAACCC	ATAAAATAAT	TTTGTCTTTT
48601	AATGTGACAC	AGACATAAAA	ATAATATTTT	TGTTTTACCA	AGGGAAGGAA
48651	AAACAACAGA	AATAAAATGA	AACTCCATCT	GTAGTATAAT	GTAGTATACT
48701	TGCTACTAAC	CTCTACTCTT	TTTTTTCCCC	TACCAGCTAT	TCCTTTATGT
48751	AACTTTGTTT	CCTGGCTTTT	CCATTATTTT	TATCAATGTG	CCAATTTTTT
48801	AAATTAATAT	TACTCTCTGC	CATTATATAT	CTTTTTCATG	CCCCTTTACT
48851	TTTAAAAGTT	ATATATCATA	TTAAAAGAGA	TGAAATAACT	TTAAAACAGG
48901	ATGTTTTTCCA	CCATCAATTT	CTATCTACAT	GTAAATGGAG	AAAGAATTAC
48951	CGCAGCCTTA	AATACATTAG	AAGAGTCTAA	GGTGGAAATG	AAATGAACC
49001	CAAATGAGCC	AGACCTTTGG	AGGTTTGGCT	TTCAATGCCC	CAAAGTGTTT
49051	ACAGTTATTT	GTGGTAACAC	CTGAAAGTAC	TTCTGTGATG	CATAATTGCA
49101	CTGATCAGGA	CTCCAGGGTG	CAGGTAAGAG	CAGCCACCCCT	TTGCCAGTTT
49151	AAGCAGAAAA	GGATTTGTTA	CAGAACACAG	ATAGTTCATA	GCAGTGGTGG
49201	GAGGGCTGGG	GGAGCAGGCT	AGAGGGCAGA	ACATCACCAG	TGAAGTGACC
49251	TAGTGCCCTT	GAGCTCAGGG	CCATGCTGTT	TCTGATGACA	CATATATTTG
49301	CAAAATGGAG	ACGCCGTGCC	ACCTTGTTTC	TTGATGCAGC	TCACACTCAC
49351	ATCAAAGTGT	TGGTGGATG	CAGCTGACTG	ACAGAACCTA	GGTCACACAT
49401	CAGCACCCAA	GCTCAAGAGA	GGCTGGGAGT	CATAGGGTTG	GTTTGTCTGT
49451	TTTTATCTCT	CCAGGGGAGG	CAAGACTCAC	AGCCCAGGGA	TCTGCCACAG
49501	TGTAAGGAAG	CTGTCTAAAG	TGGGCAGCCA	CAAATGACAA	GTGTCTGCTA
49551	CAATAATGTC	TCATGAAAC	AGCAGTAAGC	AAATTGTGTA	AGCTGTTTGG
49601	CCTCTACTAT	TAAGAAATAC	ATGTAGCAAA	AAGATTGTAA	GGAAATACAC
49651	AGAAATGTTA	ATTTCTGATA	TTTCTGTGTT	GGATTGTGGG	TAATATTTTC
49701	CTTATGTTGT	TTTTTTAAAT	TTTTCTATAA	TGAAACTATT	TCCTTGTAAA
49751	TTAGAAAAAA	GAGACCTTCC	CATTTAAGAA	AGGCAGATAA	AAATAATTCC
49801	TGCCTTCCTA	GAGGGATGAA	AAATCTTAAA	ACCCCTGATT	ATATTTTCATA
49851	ATCTCTCTTT	GTAAAACAGG	CAAATGATAA	ATAAAAAAAC	ACAAAAGCAA
49901	AATCCAAAGC	CAAAAAGTTA	CTCGTTTGTC	TAAGTTGAAA	TTAAAAATTC
49951	CTGTGGCTTA	GGCTAAGTGG	GTACAGTAGC	TGCTAATCAC	ATCAGGGTCA
50001	CAGCTCTGAA	ATCAGAAAGG	CCTCAGACAT	CCTTACCTCA	ACTTTATAGC
50051	ATTCAATGCA	ATTTGAAGCT	TTGAAAAACA	CAACCATACA	TGTTCACTGT
50101	GTTCACTGTT	CATATGTTCC	TCCAGATCCT	TTCTCTTTAG	TCTTGCTCTT
50151	TTCTTTTAAA	ACTCAAAGA	CATGTGTTTG	ACTCATATTT	CTGTAGTGAT
50201	TTACCTTTT	ACCTGAAGCA	GTGTATGCTG	CTGGTTGAAT	GGGGAAAAAT
50251	TGAAAAAGATA	TGTGAAAATT	TGGAGAAAAA	TAACCCTTAA	TTAATATCTC
50301	AAAGATATCA	TCTTCCCCAT	TTCTGCAAAA	GGAAGGCCAA	TTTCAAGGGA
50351	ATGAAATTAG	CCATAGTTAT	CCCGAATTTT	CAAAGTTATT	CTCAAAGTTT

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50401 GTCAGTTCAC TGATGCTAGA AAGAAAGAAA GCATGTAAC TGGGAAGTCT
50451 CCGGGGATGC CTCGTTTTGC TACTGTCTTG AAATTTCTCC TGAGTTGAGG
50501 CTCTGATAAA ATAAATGTCT GTCATGTTAT TTAGGAGGGG TGACAGGCTG
50551 GAATCACTGA GCAAGTGACA AACTGTCCCT TGACTTGGTA AGTTTCCATG
50601 CTGTCTTTGG CTGATACAGA TCTCGTATTA AGTGATATGC AATGAGAGTT
50651 TCCTCTGTCA GCTCAGTGAC GTGATTTTAG GTAAGGAAGG TGAACGTCTC
50701 CGCATCAGCT AGAGAGATTA TAATAGATAT CACCTGTCTT AATAGCCCTA
50751 CCTTCATCTG CTAAACTGTG GACAAATGAG ATTTTATGCT TTATCATCAA
50801 GGTGCCAGAC GGGGCTCAGG TATTTACATT TTATATGTAA AATTGCTCAT
50851 GCTCTGCTGC ACAATAGTTG GTGTTTGCAA GGAAAAATAA GTATCCTGAA
50901 GCTTTTTAGA GCATTTATTC CTTACAGCA AGAGAATATT GCAAGTTGGT
50951 AAGACTTTAT ATTGTCATGC TTAACCACTG TGACTTTTAT AACTGCATGC
51001 TAGCTGGGGT ACAGTAAATT ACTGAAAAGC TCTATGAAGA TGTCTTTGTG
51051 CTTGCGCTGC TGCTTTGTAA TCTTCAGTAG TTAAAAAAG TGTCTTGAT
51101 GTCATTTCTA GCTTCTTTGG GTATACTAAC AGTCTGAAAT GCCACTCCTA
51151 ATAACATTAG GTCATTTTAA ACCAAATTCT TGATAGAACA GCCTTTCTTC
51201 AGAGTGTTAC CAAGCAGGCA TTTCTCTAGA ATCTACTTCT TATTAAATAG
51251 GAGCCTAATA GGCTGTTTAA AACCATGTG AAAACACGTT AGGGGAAGGA
51301 AGACAAGTGT TCCAACCTTC TGTATTGCAG TCACATTTAA AGACACCTGT
51351 TAATGGCATA GTTGAGTCCT TGCCTGTGAG GTTCCTGAGG CAGAGCTGCC
51401 CTTTCTAATG CAAATTGGCC TCCTCTTTGT GGAAGCAGCT TATGCCTGCT
51451 GTTGGTTGTC TTTTGGGAAT GAGATGAGTT CAGAATGGGA AGACCATGGA
51501 GAATATTAA AGTGAATAAA ATATTAAAG ACTCAAATT CAGGGGAAGT
51551 GACTTCCCAG TAATGGTCAT CTTGGATTAG AAGGTTTCC TTATGAGATT
51601 TTTGGAGAAT GGAAACTTAA CCCAGCTTTT ATTGCTCTGG GAAAAAAAAG
51651 GTCAAACGTT ACCCAACCCC GGAATAGGAT AAGGGCACTT TCTACATTTT
51701 CCTACTTAGG CTCTCAGCTT CTAGGACAGA TTTCCCTAAT TAGAATTGTA
51751 ACGAGTTTTT AATTTTGTGTT TGTTTTGTGTT TTTTAATTGT AGTCTCTCAC
51801 TGAGAAATGG TAGGGGGGAA TACTATACAA TAGTGTGCTG ACTGCAATAT
51851 CAAAACCTCT AGACCTTGAA TATGAAACAA GAAGAAAGCT CTACCTCTGG
51901 TAATGCCTGA GGATATTACG GTTCTTCCAT TGTAACACAG AGGGAGAGGC
51951 TTGTTTGAAT TACTGAGAAG TTAATAGCAT AATCACATTT TTAATAATGG
52001 TAGAAGCTCT TCTCTCCAAT GTGATTGAAG CTGGTACTTG GTTAAAAAAA
52051 GGAAACAATT TTAATAATAA ATGACATTAA TTAAACATT TACATCAACT
52101 TAAAATATAT AACTGTACAT TTTCTCCAGT TTTTGGCTGT ATAGCCAGCA
52151 TCCAATGTCC TCTGGTTAGA GACTCCTTCA TCTTTTTTTT TTTTTTGCAT
52201 AAACACATC CATAAAATAT ATATTATTTT TATATTATTT TTTAGGACCT
52251 AGTTTTCTAG ATTTATTTTC TGTAACAATC TGAATTCAGA ATACTAGATT
52301 TTCACATTTT TAACCTTTTT AGAACTGTCT TTTCACTTAC TTGACAGCTG
52351 TTTATTTTGT CAACCTTTTA TTTTCAAGTT TTTTGGTAAT CATTTGACTT
52401 AGTTTTCTTA GCAGAGATAA CTTTCACGCT CACTCTTCAT TTAAGTTATA
52451 TTGAAGTCAT AAATTTACAA TGATGAGCAT AACTGGCATT AGCAGGCTTG
52501 GGAATAAACA CAATGACTTG GTAAGCATA ATCTCAACTG GGAGGGCAGA
52551 AGTTCATGGG CATGCCAAGG AGAGCTTATT AGCTGGAGGC ATTCCCTGTG
52601 GCAAGGGCAT CTGTCAGCAT CTGTTAGGAA GGAAGGAGA ATGATGGTTA
52651 ATCTATGCAT TGGTTAAAGG GCCTAAAGAA ATTTTCTACT ATAATACATT
52701 TTTATTGATA TGCATAAGTA GCAACTCCTA AAGAAGATTT TTGTAAAATG
52751 TTTTCTAGTA CAGGTCCTGC AGAACTTGCC CTAATGAAC TCCAATGCTT
52801 GCTTATAATC ATCAGACTGT GTCTGCAAAC ATAATTGGTG TTCTAAAGTA
52851 TTTTTTCCCTA TAGTCTAGTT CACACTTTGG TACTATAATT GATTTGTTTA
52901 TCAGACTCTT TTTTTTCTTA GATGGGAAGA GATAATGTTT TGGTCTATTC
52951 CCAAAGAGTT ATCACAATTT TTAAATTAAT GACTTGGGGA TTTAATGAGC
53001 TCTTCTTTCA TTTATACATG TTAGAAATAC TAAATATCTC TATTAATGTT
53051 TTTAGTTAAT TTTTCTGTG AAATACTGGT AGTAATGAAG TATGATATGC
53101 CAAGGATAGT TTTAAAAAGA AAATAAATAA ATATTGCTCC TATTGATATT
53151 AAGTCGATAT ATTTGGAAAA TTTTAAGCTG AGAGAGAGAA GCATGCCTGT
53201 GAGTGTGTGT AAATACATGT AAATACATAC ACAGAGGCAA AGAGAGACAC
53251 AGAAAGAGGC AGAGACACAG AAGGAAAGAT AGGCAAAGAA AGAATAAGAT
53301 ACAGGGAGAC AGAGTGATGG ATTACATATA TATATGTGTG TGTGTGTTG
53351 TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG TATGAACACA CATAGAAAGA
53401 GACAGACAGA AATAGATAAC TATAAGAGAA ACCAAGAGAC ACTGAAACAT
53451 CTAGAGAGGT GGAGGAAGGG CCACCCAGC AATATTGCTC AAGATTAGTT
53501 CCATGGCTGC CCTTATAGAA CTGTAGGATA CACAGATGAG GAGGTCAGAG

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53551 GCCTTGGGGA AGCAGGACAG GAAAACAGGC CCAGGTCCCA CCAGGAGACA
53601 CAGTGTCTATA ATAGGCAATA CCAGATATAT GAGTAGGTCA CAACCTGGGC
53651 ATTAATTAAT GGCTCTGTAC CACTTGATGA TATTTGTAA ATGTGTTTTT
53701 CAGCTCTAAA TGTTTTTAAA ATTTTTTTTG ATCTCAGAAA GGTAAGTAA
53751 GAAATATCTG TTGGAGAACT AAATCCAAAT GAAACTGTAC AGGCCAATTT
53801 GGAAGCCCAA CTCCTCTCCA AGCTGGACCA CCCAGCCATT GTCAAGTTCC
53851 ATGCAAGTTT TGTGGAGCAA GATAATTTCT GCATTATCAC GGAGTACTGT
53901 GAGGTGAGAC TCTCCTTTTC TCTTGGAGT CTTTATAAAA ACTTGCTGAA
53951 TGGTAAAAAG CCTTCTGTAA AGAGATCTTA AAAGTCCAAT TATCACACCA
54001 TAAATTGAAC TGTAAGACC TGGGATCCCA TGTCTTGCAG CTAAGAATGA
54051 TTATCTGTAG ATAATTGACA AAACCTGTTT CTAAGGAAGG GTTTTTCCCT
54101 CCATTGGCAA ACTCAGTAAA AAAGAATATA TTTTAAGGTG GAGGCCAGGT
54151 GTGGTGGCTC ATACTTGTA TCCCAGCACT TTGGGAGGTT GAAGTGAGAG
54201 GATTGCTAAT CCAGGAGTTC GAGACCAGAC TAGGAAACAT AGTAAGACCT
54251 CCATCTCTAC AGAAAATTAA AAAAATTAGC CGGGCGTGGT TGTATGAGCC
54301 TGTAGTTCCA GCTAGCGAAG AGACTGAGGC AGGAGGATTG CTTGAGCCTA
54351 GCAGTTCAAG GCTTCAGTGA ACTGGGACCA TGCCATCGCT CTCCAGCCTG
54401 GGCGATAGAG TGAGACCCTA TCTCTAAGAA AAACAAAAAA CAAAAAGGAG
54451 AAATTACTGC AGAAGAATGC ATCAACAATT TTTTGATAGG GGGGAGGGCA
54501 AACCTTCTAG AATGGTCTGA TGCTTAGACG GACATTTAAA TGCTTAACA
54551 GATGCTTGGT TAGAGTAGAG GTATATGTCC TGAGTTTGGT ATTCCAGCTC
54601 TATGGTTTAA TTTCTTCAGT GGAAGTTTGG AAATGGAAAT ATGGCTTTTT
54651 TCCCCACAAG AATTCCTCAT ATTTATCAAT TTGTGGTTTA CAGCTGAAG
54701 TATTTACAGT TTTTCCAACC ACTCTGAGTT CTATCCAAGT AATAGCTGTG
54751 TATTTTACTG AGCCCCAAGG GAGTGTGAAG CTGCTTAGAG AAGTGGGAGA
54801 GGGGAAAGTG GACAAATGTG AGCTGCAGTG TGAATCTGTG TGTTTACTCC
54851 TGAGACATTA TGGAGAGAGG ATTGACAGGG CTTGGGTGAG GTAGAGAATA
54901 CCCAAAGATG ACTACGCTCA AAAAGTATCT CCCAGAATAT TATGGAAGCT
54951 AGGGTTAGCC AAATGCACCT TGGGAGAATT TGGTACTGTT CATACTTAG
55001 GATGAAGTCA GTTATCACT TGATGTTGC TGGAGCCCAA AAGACATGAG
55051 GGAAAAAAGA TGCTCTTTAG AGTAGACGGC AGTTCGTGTT GGGCCAGAAA
55101 CTTTGGACAA CTCGACCTAA CTTGAAGGTG CCATTTGTTT GAGAGAGAGA
55151 AAAGAAGAGA CAGGAGAAAG AAAAGAAGCT CAGAAGGAAA AGGGATAGCA
55201 GCGAGAACAA CCTTGCTGCT TTTACACATT AGCTGATGTA TCACCCAAAA
55251 TGAAACCAAT AGCCAAGTTA AAATATCTGA ACAAGTTTGA AATATTCCAT
55301 GTCTTGGCCA TTCCCTTCA GGTGAGCCTC AGCCTTGCTG GGTATTTTCC
55351 CATCTATGTC TTAGCCCTGC TTTGCTTGGG GGAAAGTGGA CAGGGTGGAG
55401 GGTGAGTGGG GAAGAACCAG GTCATTTGGA TATCTGGTTG TCCATCATCC
55451 AGTGGATTGC TGAGAAAATC AGTAAGATGA TGTCAGGTGT GATCAGTGAT
55501 ATTGAATATT TACTCTGGCA AATATGTCAC CAATTCGTGC AAAACTACAG
55551 ATACTTGCAAT ATGCATATGT TGCATACTAT GATCCACCTG CTATAATTG
55601 TTCATATTTT TTCTTTACCT CCTTCAGTTA ATAACTGTG TTATTTTAGA
55651 AACAACTGAC TCATACTGCT TATACTATT ACTGCTACCT CTATTGCTGC
55701 TTTTAGGACA TTGACTTTTT CAAAGACTCT TTCCATGTCT TAGAATATTT
55751 TAACTGTAG TCAGCACTAT TTCACAGAAC TTTCTGTGCT GATGGAAATG
55801 GGCTATAGTT GTGCTGTCTA ATATAGTAGT CGCTAGTCAT ATACATGGCT
55851 CTTTAGCACT TGCTGTGCGG ATAGTGCACT TGAGGGCCTG GATGTTAAAT
55901 TTTATTTAAA TTTAGTTAGT TTAAATTTAA ATAACCATAT GTGGCTCCTC
55951 GCTACCGTAT TAGACATACA TAGTATATGT TGCTATAACT TTCTTTCCCT
56001 GTATTAATTG AAAAAATTTA TAATTTTAAT GTAATTTTAA ACTACCAGAA
56051 ATGTTACAAG AGTAACACAA TGAACCTCCA TATGCCCTTT ATCCAGATTC
56101 CCAAATTGTT ATTTTTCAC ATTTGCTTTA TCTTTCTACC TACATTTTTT
56151 AATGAACCAT TTGAGAATAA GTTTCAGACA TGATGCTCCT TTGTCCTAAA
56201 TATAATACAG CTGTGAGTAT TTTCTAAGAC CAAGGACATT CTTTTATGTA
56251 ACCATAGTAC AGTAATCAAA ATCAGGAAAT CAACAGTGAT ACAATGCTAG
56301 TATGAAACCC GTGGTCTC AAAGTGTGAC CCGAGACCAG TATCATCAGC
56351 ATCACTTGGG AACTTGCTAG AAATACAAAT TCTTGCCTC TACCCAGGCC
56401 AGCTGCATTG AATCAGAAAT TCTGGGGGTG GGGTTCTGGC AATCTGTGTT
56451 TTGACAAGCC TGCCAAATGA GCCCAAAGCA TACTGAATTT CGAGAATCAC
56501 CCATCTAATT CACAGTCTAT ATTGTCTGAA TTACATTCTT AGAAGGGACA
56551 GTTCTATAAG ATTTTGTGTT TTGTTGCAGA GGATCTCATC CGGAATCATC
56601 TGTGTTGATT TTTAAATGAT GGGTGGTTTC AGTGGGCTGA GCTGCTCTCC
56651 CGGGAGGGGC TGTTGCCATG GTGATGGCTG CTGGCAGTGC TGAGAGACAG

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56701 CTGTGGGGCC GCCTGGGCTC TGTGTGCCAC TGAGCTGGCA GGTGGCCACT
56751 TCCCTGGACT CCTGAGGAGT GACTTGCACA GATTGCTCCG TTCTTGTTAA
56801 CAGAGATATT TCTCATCATC AGACCCAAAT TTACTCTTAA CTGGCACAGG
56851 GCTGGTGTTA TCCTTTTTAT TAAGGTAAAA TAATAGTATA GGAAATGGCA
56901 GGTGACCAAA ATTGCACCTC ATAGAAAAAT GCTATCACTA CCATTGAAAT
56951 GGCTTATCTC TTTATCTCCA GGTTCCCTCT TCTGTAATTT AATTTGGGGC
57001 CTTTCAAGAC TGAAATATAT AAATGCATTA GTGAGGCTTC TGCATCTACT
57051 ACCTAACCCT TTGGACACAT ACATCAGATT ATGAGTGTA AACAGCAGAC
57101 AACTGAACCT TCATAATTTT TGGTCAAGAT TTAACCAAAT CTTTGATGGG
57151 GAATAGTTCC AAAACTACCA GAATGGCAGA ATATTTCAAA TATTGGTGTC
57201 TTTGATTTTC CTCCATGTAG GAAGGAAATG GAACTACTGC CCATCCTCCA
57251 CAGTTTCACA CCTTTTCATC TTTGCTTAGG CCATATCCTC TGAGAATGCC
57301 CTTCTCCTCA GTCCACATC TTCAAATCTT ACCCTGACTC CCAGGCCAG
57351 CTTAAATGCC ACCTCCTCTC TCATAATCAA AGTTTCCAAT AAACAAGGTT
57401 CCTTTCCCAT AAACAAAGCC TCTCATAAAC TCGTGGCTAG AAATCACTCC
57451 CCACCCCAAT CCCAATCCCC TCAACTCTCA CAGAATCTTT ATCTCTCATG
57501 GTACAAAGCA CAGTTTACAT CATATGAGCC ATGTCAGATT CTCAGCATGT
57551 GGGATTGATC TTTTCTGAT TCATTTTTCT ATCACATCGT GGACCCACAT
57601 AGTGAACCAC AAAGAAGTTA GCACTCAAGA TATTTTTTGA TGTATTCTTT
57651 ACCTCTTGGT TCCAGCTGCC TCCCACCTGA TTTCTGTCAA AACTAATGG
57701 TAATGATAAA ATATTGAATC CTTCTACCTG TTGTATATGT TAAAAGTATT
57751 TTGTCCCTACC TTAATGTGCT GATATACCTA ACAATGTGCT GCACTGGAGA
57801 CCTGTGAGAT ACTGCCTGAA AGTCTTCCAT TTGGGTGAAG ACAAGGCATC
57851 TCCAGAAACC TAGGCATTAA ATTAGTAGAC AACTAGAGA ATGGGTGAGA
57901 TCACATATCT TCAGGAGAGG GTGGTGGTAG TGGTTGTGGT GGAGAGAACA
57951 TATGATAGGG AAAAAGGCAG GAAATGTTGG ACTTCTCTAT TTTCTGCTTG
58001 GTGACATTAA CATAGGTAAA TAAAAATTTT ATCAATGTAG TACTAGTTCT
58051 CAACATTGGC TGCATCTTAG AATCACCTGA AGAGCTATCA AAAATCCTGA
58101 GGCCCTGAGG CCACCTCTGG AAAGTCTGAT TTAATTGATC CTCGGAAATG
58151 GCCCAGGCAT CAGGGTTTTG AGAGTTCTCC AGGTGATTCT AAAATGCAGC
58201 CAGGCTGAG AATGGCAAAA TAAATAATTT TAAAAATTCA AAAGGAGAGA
58251 ATAGTTAGTG TGGAAATAGA CAAATAGTCA TAAAGGAAAA ATTTGTCATT
58301 ATTGGTGGAG CACTAAGCAA AGATGAGGCC CAGAGCTGAG AACAAGAGAG
58351 TCTGGCCCTG TAGTGAGTGT AGTTTTATGA TCAAGCCATT TAGCCTGTTG
58401 CTCTTATTCA CGAAAATTGC ACAACTTGTT CTCCTTGCTT CCCAGGCAAC
58451 CTTCTGATCC TAATTTAGCT TTCCATATAT GTCTCCTCTA ATAGGAAAAA
58501 ATATGCTGGC TAAGCTGAGA TGAGTTCCCT ATTGCCTTGG CAGTTTTAGC
58551 TCTCATTGTG TATGAATACG TTGGCAATCT GGATTATTTA TTGATGCCTT
58601 ATGAACCTGA AGTTCACAAAT GGCAATTGTA ATCAAGGGAC TTTCCAAAAG
58651 CCATTACTGA GCCCAGATC TGTGTCAGAT ACAATTATAG TCATTGTGTG
58701 GCATAACAGA GATAATATGA TAATATTTAA TGAATTTTCA GGTAGGATTA
58751 ATGAGTCATT TATATCAGTT GCTAAAATAC AAGGGGGAGT GTGGTATGTG
58801 TTATGGGAAG GGTATGGTTA AAGTGCTGTG GGGGTAATAG GAGAGAGAAA
58851 TGACTTCTGA CCATGGGAAC CATGAAGGGG CTAGCATTCT ATTTGAGTTC
58901 GCAGTACGGG AAAGATTAGG CCAAGAAGAA TAGAGCAAGG ACATTTCAGC
58951 TAAATGGAAT GATGTGATAA AAGGCTCAGA GGTAGAAAAG CATGGGATGT
59001 GATTTAGGAA CCCAGTACTT CACCTTTAAT TGTAATATGT TTGCAGTTAA
59051 ATACATTCCC TAATTTTAAC AACTTATATA ATCATAGTAT AATTATCAAA
59101 ACTAGGAAAA TTAATATTTT ACTAGTTTTT CCCTTTATGC CTTTGGTCTA
59151 TTCTAGGATC CAATCCAGGA TTCTACATTG CATTTAGTTC TATTTCTTTA
59201 GTCTCCTCTA ATCTGTGACA ATTTCCCTTT CCTGCCTTGT TTTTATGAA
59251 TTTGACACTT TTGATGGGTA ACTGGCAAGC TATTTTGTAG AATGTCTCTC
59301 AGTTTGGGTT TGTCTAATGT TTTATCACGA TTAGATTGAG GTTACATATT
59351 CTTGGCAAGA CTACTACAAT AGTAGTATTG TATTCTTCTC AGTACATCAT
59401 ATTAAGGGGT ACCAGCTGTA TCTTATTACT GATGATGTTA ACTTTGATCA
59451 CTTGGTTAAG GTTCTGTCTT GTGGGTTTTT TCACTGTAAA GTTACTATTT
59501 TTTCCCTTTG AAATTGATAA ATATCCTGGG TAAGATAGTT TGAGAGTTTT
59551 CTATTAATAA TAGCCTGTTT CTTTTCAAA CTTCACATCAT TAATTTTAGT
59601 CTCTTTTCAGT GAAGTTGCCT GTGGCGATTC TTACTCTCTA TTCTTTACCT
59651 AATTGTGATT ATATATTCTC CTCATTCTTT CTGATTTTAC TAATTGGTAT
59701 TCCACTGTAA GGAAGAGCTG CTGCTTCTCC TCCATCCATG TATTTTTTCA
59751 GTTATTTATT TATATTAGTA TGAATCATG GATTTTAAAA TATTATATGG
59801 GTTACACCCA GTACCGTCAC TGTTTATTTT GTTGCTCAA TTGTTCCAAC

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59851 TTTGGCTAAT GGGGTTCCCTT CAGATTGGCT CCTGTGTCTT TTTAACATGC
59901 CCCTATCCTT TTTTGAGGAG AAGTAAATTC TTGCTTATTA ATTCCATTTT
59951 ACAGATGAAG AAACAGGACC CCAGAAAGTG GAGTGATTTT CTGACTGTTA
60001 AATCCAGGGC AGAACTAGGA CCAGGGGTAT TGGGATAGAT GCTCCTTTTC
60051 TTGGCTTATT CTCAATTATT TTCAGTGTCT TTATCCATCT CTATTTCTAT
60101 AATACATATA CATATTACAA TAAACTATTT GTACACAAAT GCAAATTTTA
60151 ATGTGATGAT ATGATTATTT TCTCTCAATG GAAGACTAGA TAAGGTTTTA
60201 AATAGTGGGA AGTGTGTAGA CTTTGGCATC TTCTATTCAA ATCTTTGTCC
60251 ATTTCCCTTCA GCAAATTATT TCATTTCTCT GACCCGTTTT TCTTAAGAGA
60301 GTATAACATA TATTTTGTCT TTATAGGGAT TTGAAATAAT GAATGTTGAA
60351 AAAGTGTACT TCAGAGCTTT TCTCCTAGTA GATTTTCAAT AATGAAAGTT
60401 ATTATAATTG TTCGTTATTT CACTGTTACT CACCCCCCTT TCCTCCCTCC
60451 GGCTGTTTTT TAGAAGTAAA GCTAGTTTTT ACCTCTGAGA TTTTGTCGTG
60501 CAGCCTTTAG TATGAGGATT CATGCCAAA GGAAGAAATA TGCAAATTCT
60551 TTTTTTTTTT TTTTTTTTTT TTTGAGACAG AGTCTCACCT CATTGCCAGG
60601 CTGGAGTGCA ATGAATGGCA CAATCTCAGC TCACTGCAAC CTCTGCCTCC
60651 CAGGTTCAAG CAATTCTCCT GCCTCAGCCT CCCGGGTAGC TGTGACTACT
60701 GGCGCGTGCC ACCACGCCCA GCTAATTTTT GTATTTTTAG TAGAGATGGG
60751 GTTTCTCCAT GTTGGCCAGG ATGTTCTCCA TCTCCTGACC TTGTGATCCG
60801 CCCAGGTCAG CCTCCCAAAG TGCTGGGATG ACAGGCGTGA GCCACCGTGC
60851 CCGGCCGCAA ATTCTTAACC ACTAATAGGC CTGCTAGTAA CTTTGAGGCA
60901 AGTACTTTCC GAAGTATTG TACTATAAAA CGGAACATTT GAAATTTCTT
60951 CATATGTTTC TTTTTTATGC AAAAGTATTT AAACAAACCA AGTAAGCGGG
61001 TTGAGTTTTG CAATCTTGAA TCTCTAGTGC GTGTCAATAG ACTATTAGAA
61051 GTAAATTTGG CAATGACGTG CAGCCACCAG GCTTACTAGT TCTCAGAGGG
61101 TCCTTGTAGA ACTTCATATT GGGTGTGTG TGTCTAGTAT TAGAAACAAA
61151 TCCTTTTCTG TGCTTCAGAA CAACTGCTTA TAGTCCTGAA GCCTGTTTGG
61201 GACCACCACC CCCGAGAATT GGTATTTTAT AGATGAGGAA CACCCCTGGA
61251 ATTTGACCAT TGTGACATTG ATGGGTGATC ATCCTTCCTA CTGTGAACCT
61301 AAATCAGGCA TCCACACATT GGGGCTGTCC ACACCTCAGG ACTGTCTTCA
61351 GTGGTTTGCA TTGCTGGGAT TGCTGCTGAT TGAAGGAACT AAGCATTGTT
61401 TTCAGAGTGG TGGGTCCCAT CGGGGCCCTC TGATTTTCCT GGGCAGCTCC
61451 ATCTAGGAGT AGGTAGGCTT CCTGAATTT ATCCTGTGTC AATTCTATGG
61501 GTCTAGATTT TGTCAGTTG GGAAGGCTG TAAATAATAC GAGTGTCTAA
61551 TGTTTTTATA TACCTAAACT GATCCATTG TGATTTTTAT AAGTATCAAA
61601 ATTAAGTCA TTTGGTTTGT TCCATTTACT TTCTTTCTTA AACTATGAAA
61651 TATTTTGACC TTTTAATGAA AAACAATAAA AAATAAGACC ACTGATTTTT
61701 ACCTAAAATT GTTAAATCTA ACAATTGAAA AGCAAGACTA GTTTCATTGA
61751 AAAGAAATGC ACTAATGCAC TAATAGAAAG CAATCTGCAA ACCCAGTAGA
61801 GTTTATGACA TTTGGGGTAA GGCTTAGCT GTCATATGAA TTTATATAAA
61851 TACAAGTGTT TAAAAATAGA ATCACAATAA TTTATTTCAA ATGGTTTTTT
61901 TTTAAAAAAC CCTGTGCTTT ATAGATAAAA GCATTATTTT ACATTATTTT
61951 ATATCACCTA AGAATAAGTT CTGCCATTTT TTATTCATCT ACATTTACCT
62001 CAGCAAAAAG AACACTATCT CTAAAAGAAT TTGAAAAAAA TACTAACTAA
62051 ACTCAAGATG TTCATTTATA TTATTAGAAA TGAAAATCAT AATACTGCAT
62101 GGCATTCTTC AGTACCTATT TAGAAGCTGG TTTTTTTCTT GTTTTGCTTT
62151 TAAGAGCATA ATGTGGCTTG ACATTTCCCC CACGTTTTAT GCAGTCTCTT
62201 AAAGTGCAT TCCAAAATTC TAGGAAAATG TCCTTGGGTT GTACAATATA
62251 ATGACAAAGG ATCTCCTCCC TCACTGCCTT TACCTCCATT TATTGGTATT
62301 CTCCTAAGTA ATGAAACAGA GTTTCAAAAA CATGTTATTG TAAAATGACT
62351 CTTATTCAGC CCTGCCTTTC TCAAGTACAT CTTTTGCCTT TGGAGTTGTT
62401 CAAATTTTAG ACAAATGTT TCCACTGACA GGCTAAATAT TAAGTACATG
62451 GCCTGTTTTAT ATTATTGCCT AGCATCATGC CTCAAAGTTT GTTCCATGGA
62501 CCACCTGTCC TAGAGTCACG AAGGATGCTT GTTGAAAATA CAGATTCCTT
62551 GGGTCTATGT GGATTTACTG AGTTGGAGTT ATTGTTGCTA ATGTCTAGGG
62601 ATATGCATTT TAAACAAGCA ACTTGGAAGA TTCTGATGTA TAAAATTTGA
62651 GGTCCACTGG AAGGATGCTT ATTTAATGGA GATATGGTAG GCTATGAAGA
62701 ACAGCATTTA AAATGTCAAT CCAGTGAATT AATAAGGGAA GCTTTTTTCAT
62751 TATTTTATTT TGTTTTATTT TGCGATGGAG TCTTGCTCTA TTGCCCAGTC
62801 TTGAGGGCAG TGATGGGATC TTGGCTCACT GTACCTCTG CCTCCTAGGT
62851 TCAAGTGATC CTCCTACTTC AGCCTCCCGA GTAGCTGGGA TTACAGGCAT
62901 GTGCCACCAC GCCTGGCTAA TTTTGTGTT TTTAGTAGAG ACGGGGTTTC
62951 ATCATGTTGG CCAGGCTGGT CTCGAACCTC TGACCTCAAG TGATCTGCCT

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63001 GCCTTGGCCT CCGAAGTGCT GGGATTACGG GCATGAGCCA CTGCACCCAA
63051 TCTGCATTTA CTGAGTCAGA GTTATTGATG ATAATGATAA TGATAGTTGA
63101 TGATAATAGG GATATGCATT TTAAACAAGC AACTTGGAAG ATTTTGATGC
63151 ATAATATTTG AGGTCCACTG GAAGAATGCT TATTTAATGG AGATATGGTA
63201 GGGTGTGAAG GAAGAGCATT TTAAGTTGTC AGTCCAGCGA ATTAATAACG
63251 GAAGCTTTTT CATTTTAAAA TAAAAAGCAG GACAGAATAA TTTTGAAGT
63301 TCCTTTTAGC CTTAAACATT GCAGGGGTTT TTTTGTTTT GTTTTGTTT
63351 TAAATTCAGG CTTCTGAGAA TGCTCTTCTT TTGTCTTTTA AGGTTGTAAG
63401 TGCTTTGATT GCCAATGTTA ATACAAGGAT TAATTTTAA AATCAAATCC
63451 TTTTAGGATT TAAAATTTGA TAATAACAAT CAAAGGTGGG GTTAAGAACA
63501 CTGAATTTGG TTGTTCTTC ATTTCTTTAA AGCCTCGACA TTTCAAAGGC
63551 AATCTGTCAT TGGCTAACTG GGATGGTGAA AGGAGGAGAT ACTATTAATC
63601 CATCAAATGT TACAGTTTGG GTTACAGATT TTCAAACCT TAGAAGTTAA
63651 CATCAAGTCT TTTATTGCAA CCTTCAAGAG ATAATCTTAG TGAAGGAAAA
63701 CATTTTTTGA TAGCTGTATA GACTTAGGGC AATATTAATT TTGGGTCAGT
63751 TAAAGTCAAT ACATTTTTC TAAGAGTTAT TTTAGCAATA AAAGTCACTA
63801 TTAATATCT CTCAAGGACA AAGTTAAGAA AACAGAATAT ACTTACAGAT
63851 ATTTAATAA GAATTTCTTA GACCAACGCA TTACATTTC TCAAAAACAT
63901 TAGCTTTTTA CTTTAAAGAC AGCTTAGAGA AAGAAAGTAA TGCTTTTCAT
63951 ATTGCTGAGT TAAATCAGA CTAAGAACTG TATTTCTTTG TTGTGTCAAA
64001 TCATAATTTG TTGTGTCTAA ATCTTTGAGT GACTTGCTTA TCATAATTAA
64051 ATCCTTAGAA AAAATCAGAG GTTTTTGTTT ATTTTTGTG TTTTTTGAGA
64101 TTGGGGTTTC ATTCTGTCAC CAGGCTGGAG TGCAGTGGT CAATCATAGC
64151 TCACATGCAG CTCATCTCC TGGACTCAA CGCTCTCCC GCTCCACGCT
64201 CGCAAGCAGC TGAGAATATA GGCATGACAC CAGGCTGGGC TAATTTTAAA
64251 ATTGTTTTTT AGAGATGGGA TCTTGCTATG TTGCCCAGGC TGGTTTCAAG
64301 CTCCTGGCAT TAAGTGATCA TCCTACCTCA GCCACCTGAA TTACTGGGAT
64351 TACAGATGTG AGTGATTGCA TCTGGCTGTG TTTATTAAG AACACAGTAA
64401 ATGCAAAACA AATAGTTTTT CTTGAGGATA AACATGTAAA ATGGAAATAG
64451 GAAGATAAAC TTAGAAGACA CAAGACACAG ATCTTGGATT AATTTAATCT
64501 TTCAGTGTTC TCTCTCCTG TTGATTTTAC ATAGCCCTTG CTTAATGCTA
64551 AAAACAGATA TCTTCTTCT TTTTAAAGTT CTACCCAGAA GGCAATGGGG
64601 AGTTTGGCTA TTTCTTTGG ACATTTCACT TTGAGGCCTG TTATTGAAGG
64651 CCCTTTTCTG GTTTTTCCTT CAATAGTCTA AATATATATT TATTTAATTA
64701 CAGGAAATCA GGCACCTAAT ATCAATGCAG GAAACAGACA TAAACTTTT
64751 ACCCACCTCT GTTGTCTGTC ATCTCTCCTT CCACTTGAAA GATTGTAAGC
64801 AGGTGATTGT CAGCAACACA ATAAATGTCA CTCAGAGAGC ATGCATCCAT
64851 ATGGCAAGGT AACCCAGAAA ACATAATTAT GCTCATTAC AAAAAATAAA
64901 GAAGTTGATA TAAATGTAT AGAATTTAAT ATTTCTTTAA CACAGTTTAA
64951 AAATGACAAT AGGATGTGAA AAGCAGCATT GCAGTTTGGG GATAAATTC
65001 TGAAAGGAAT GCTATTTTAA TGCACAAATG TCTCCAAATT TTAGTATTAT
65051 AACTGTTAAA ATAAAACTT TAAATAAATT AAATTTACCA AAGTTTATTT
65101 GAGCACACAC AAAAAAATT TCTTGAATTG GGCAAACTTC AGAAGTAGAA
65151 GGAGTTTCGA GAGCTCTTTC TGCCAGCAA CCTGAGCAAT GAGCTTTTAT
65201 AGGATGGACA CAAAAGCAA CCAGAGAAAT CATTTGATTA GCTATAGCTA
65251 GGCATTTGCC TTATTTGGGC ATGGTGTGAT GATTTGGCTG CCTGTGATTG
65301 GCTGAACTC AGCTATTCT TCTGTGTATT GGTGTGTTTA CATACTACGT
65351 TAGGGTGAGG TTTGCTGCAC AGGAATGCAA GGTATGGAGG CAGCTTCAGG
65401 CCAAATTTAA GTTAATTTAA CAATTTCTCC CTATTAGTCA GTCTCTCAA
65451 ATTGGGCATT GATGCCACTC TGTCAACATC GTCATGGACT TTTTGGTCT
65501 TGGTATGAAA TACATAATTC ATGGCATCAG GCTAGTTGAA TGATTCTTTA
65551 TGTTCTCTTT GTGTTTTTGT TGTTTTAAAC GTAGTGAGAC CATTGATGT
65601 ACAACAGATG GCTGTATATG AGCATTTAAG ACACTTGAGA GAATATAGAA
65651 CACCAGGGAG ACTATTGTGA TGGTTATCAG GAGGATAATA CTAAGAGAGT
65701 GAAGTGTATT CCTTAACAGA GGCCACCATG AACCAAAACA ATTATAATAA
65751 AATGAATCAA AAAAAAGAGC CAGAAGAGGA ATCTACTTGT TTTAACCAAG
65801 TAACTTGTFT GTTTACTTTT TAAAACTGAG TTTCTACCGT ATCAGACATA
65851 TTTATGAAAG GGCAGCATGA GATGTTAGCC ACTGCATACA TATTCCCATG
65901 TTCATCGAGT AGTCCAAAAC AGTCTAAAAC AATGTTAGCA AGAGAATTTA
65951 TAAAGGATTC TGGGCAACGA TAGCCTTTGC AATAGAGTCA GCTATAGTAG
66001 CTAATATTTG AGACAGATTT CTAATAATAA CTCTATATAC ATTTATGCCA
66051 AGCCAAAGAA GAACCATTTCT ACAAAGATG CCCATTTAGA GTGATTTAAG
66101 CCTGCCGGAA AGTTCCTCTT TATTATTTTT GTTTTAAAT ATGGAACGCT

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66151 TCATGAATTT CCGTGTCAAT CTTGACACAGA GGCCATTCTA ACCTCCTCTG
66201 TATCATTTCCA ATTTTAGTAT ATGTGCTGCC AAAGCAAGCA CAATTTCTCG
66251 TTAATCCATG GCACAAATTA AGAGATACAG AACAAATGTT AGTTTCCAGT
66301 TGCTTATGAA GTGACAGTGG TACTGTTAGA ATCTCTAATC CACATTGGTC
66351 CCTTATTTTTC CACTTGAGAC AAGGAGTTGC CCACACATAT GGTTGATCAT
66401 TAAATCCTCC ACAGATAAAA ATATATCCTG GAGGGGCACA AGACACAGTT
66451 CCTGTGTGTA TACTTTGTGT GTTAGAAATC ACCAGTTGGG AAGCACTGGT
66501 AATATTTATC CAAGGGTCCA TTATTGAATC ATTGATGGT AGATTACTTC
66551 TTACCAATAA GAAGGGATTA GGGTTATAAA GTTGTCTACA AACTGTCAAC
66601 TTATCTTTCT TTTGGTTTTT TTAGTTTCTG GCATAATTTA GCTGCAAAAC
66651 CCAATATATA GTTTTTTCTT ACTATTAGAT TTAAACAAGA GTCTGAATAT
66701 ATGAATCTAA AAACCCAATC ATGTGGAAG AACCAGATGT GCAATTTTTT
66751 TTTTGAGACA GAGTCTCGCT CTGTCTGTCA GGCTGGAGTG TGGTGGCATG
66801 ATCTCAGCTC AGTGCAATCT CCGCCTCCTC AGCTCAAGCA ATCTCCTGC
66851 CTCTGAGTAG CTAGGATTAC AGGCGTGTGC CACCACGCTT GGCTAATTTT
66901 TGTATTTTTA GTAGAGATGG GGTTCACCA TGTGCGCCAG GTTGTCTCG
66951 AACTCCTGAC CACCCGCCCT TGCCTTCCAA AGTGCTGGGA TTACAGGCGT
67001 GAGCCACTGC GCTTAGCCCA GATGTGCAAT TTGAACAAAT AGTCACCCCT
67051 GGAATATTAG TGAAATTTGT TACATGGTGA ACTAGAATAT CTCTAAGATC
67101 ATATAGGGAT TCAGGTTTAA CATGACATAG TCAACATTCG GTCTAGTTCC
67151 CTGCAAAAGC TATCAATTAT GAAATCTTAA TTATCACATT ATCTTGCCAT
67201 ATATAAACAG AAAAGAAAAC AAAGAGGAAA GGGAACAAAG ATTTTCATAGT
67251 GACAGAGGAG AACAGTCTTG ACCTGTGATC TTGGGAAAGC TGTCCACATC
67301 TAGGATGCCA TTTGCTTCTG GAGAAAAGCT TCCCTAGTCA GCTTTACCTT
67351 GAGATCTCCA GTGGATTTAC TGTCCAAGA GTCTGGAGGG GCTCTCTTGA
67401 GTTGAGATAT AGGGATCCAA GGCTTGAGGC CCTGAAATTT TGCAGTAGTG
67451 TGGGTGGTGG GAAGAACTTG GTATGATCTT TTTGAGTGG GCTCAAGGGC
67501 AGTCTTTCTC TGGTGTGCT TCCAAAAGAC CCATTGAGTG GGTCTAGAT
67551 CATGAAAGAT CTAGTTGTCA TCAGCTGGTG GGTCAAAAG GGTCTCTTTT
67601 AACTGGTAAA AATATACTTT AGCATAATGC ATTAATAATCT TTCAATATTA
67651 AGTCATGTCA GAACTTATAA AAGTGTGAGA TTCATGAGGT GCTATTATTA
67701 GGGCCATACA CCTTCCGGTA ACTATTTTAT AAGGGGTCAA TCTGTGTTTT
67751 CCAAGGGGGG TGGATCTGAC TGCCATCAAT CAGTAATACC TTTGAACAAG
67801 GCAATACAGT CAATTCAGTT AGCTTTGCCT AATACCATTG TGTGTTAAT
67851 AACTTATTTA ACTGCTTTAT AACTTGTCCA GTGAAATGAG CGCCTCTACC
67901 ACTGGAAAT TCTCCAGGAG TATTCATAA AGCAACACA TTTTCATGATA
67951 ACCTTTTAGC TACTGTTATA TCAGCAACCT TCCTGCATGA CGGGAAAGCT
68001 TCTGTACATC CAGAACTAT TCATTGAAG TAGGAATTGA GTGATGTCCA
68051 TCTGTAAGTA TTCAAATGAT CCAGCAGGTG CTGGAATGT ATCATCTGAG
68101 TGTTTTATTG TCTTGTCAAA ATTATGGGTT TGACAAACCA GACAGTGGTT
68151 ATAAACCATT TTAGGAATTT TAGAACAGAC AGCCTGCCAG TATTTTTTAA
68201 AATAATTGGG ATTATTTTCT CTCTCCTGTG ATGAGTTAAG GAGTACAGAG
68251 CTCTTAATAA TTAAAGCTTT AAGGACTCAG GAAGGACCAA GCAACTGTCC
68301 AAGCCCTCCA TTAGCCCA CTTAACATTG AATTTACATC CTTTTAAATA
68351 CCAGTTGATT TCTCCAATTC AGGCACACAG CATTGTTTAT GAAATAGTTC
68401 ATCATAGGTA ATTTGACTTG GATCAATCTT ATGGAGCTCA TTCAAATGT
68451 ATATCTTAAC AATTTGAGTA CTGGCTGACT TAGTATGAAA ACCTGCCAAA
68501 GCATTTCTCT AGCAACCAAT TAATTGGTGT TCTGCTTGAT GTGGGGTTAG
68551 TGGTTTTATG AACCAATCAA TTTATTCATT AGCATTCTAG AAATTCTTAT
68601 CTAATCTAAT TGTGTGAACC TAAGGTTATC AGAAACCTAT GTTGTGAGAG
68651 TTCTTTCCAT GAATCCCTC AAAGTTGAAA AATTTAGGTT TATAGTTGTT
68701 TTCAATAGCT TTCAGGAAAA TACCAGGTA AAACAATTAA CTGTCTGTGG
68751 ATGGCAAGAC TTTAAATGAT AATGGTTAAA TGTCTGATGA AAATTAATTA
68801 TAATGCAATT GACAAGAAAA TTTTGTTC TTTTCTGTAT ATACAGTATT
68851 TTTTAAAAAT TAAAATTACG AGTGATAGTA ATATGTCAAG ACTATCAAGT
68901 TTCTGGGAAT TTCATATAAT TTCTGGAAAA CATATTAATA ACATACTCAT
68951 GCAATATAAC TTAAAGATGG TTCAGCAACA CTTATTATTT GACAATGCTT
69001 CCCATGCAAT TTAACACATC AAATAAGCCT AATTAGTTTA ACATCTCTCT
69051 TTTTTATAAG AAGAGAGGAA AAAATTCCTT TGAGAAATTC CAGAAGTCAG
69101 TTTGGAAACT TCCAAAGTTG GTTTGAGGTC GAAAGGCCTT AATTTAATGC
69151 TTGATTTTGA GAAGTGGTTA AAAAATGTCA AAGGGTTTAA AATAATTAAA
69201 ATAGGATCAG AGGTCACCTG CAACAGTAGT CATTTAAGCA GAGTGATAAT
69251 TAAAATACTT CAAAGAAAGT TACATAATTA TAGAAAAACC TTAGCTTTTTT

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69301 AAATAGAGAG AACTGTTTTC TTGAGTGATC AAAAGACTTA TAAAGACCAC
69351 ACGAAGCACA GGAAATTGTC TTTTAAAAA AATTGACATA TTTTGTAT
69401 AGAGGGTACA TCTGTAGGTT TGTTACATGG GTATATTGCA CCCAGGTAGT
69451 GAACATAGTA CCCAATAGGT AGTTTTTCAA CTCACATCCC CCTTCCTCCC
69501 TCCCCTATCT AGTAGTTGGC AGTGTCTGTT GTTCCTCTGT TTATATCCAT
69551 GTGTGCTCAA TGTTTAGCTC CCACTTATAA CATGTGATAT TTGGTTTCT
69601 GTTCCTGTAT TGGTTTGCTT AGGATTATGG CCTCCAGCTT CATCCATGTT
69651 GCTGTAGAGG ACATGATTTC ATTCCGTTTT TATGGCTGTG GAGTATTCCG
69701 TGGTGTATAT GTATCATATT TTCTTTATCC AATCAATGAT TGGTGGGCAC
69751 CTAAGCTGAT TCCATGTCTT TGCTGTTGTG AATAGTGTGG TGATGAACAT
69801 TATGCATGCA TATGTCTTTT TGGTAGAATG ATCTATTTTC CTTTGGGTAT
69851 ATTCACAGTA ATGAGATTGC TGAGTTGAAT AATAGCTCTG TTTTGAGTTC
69901 TTTGAGGAAT CTCTAAACTG CTTTCCACAG TGGCTGAACT AATTACATT
69951 CCCATCAACA CTGGGTAAGC ATTCACTTT CTCCACAGCC TTGCCATTAT
70001 CTGTTGTTTT TTGACTTTTT ATTTTAATTT AATTAAATTT AATTTTATTT
70051 TATTATTATT GTTATACTTT AAGTTTTAGG GTACATGTGC ACAATGTGCA
70101 GGTTAGTTAC ATATGTATAC ATGTACCATG CTGGTATGCT GTACCCATTA
70151 ACTCGTCATT TAGCATTAGG TATATCTCCT AATGCTATCC CTCCCCCTC
70201 CCCCCACCCC ACAACGGTCC CCAGAATGTG ATGTTCCCTT TTCTGTGTCC
70251 ATGTGTTCTC ATTGTTCAAT TCCCACCTAT GAGTGAGAAC ATGCGGTGTT
70301 TGGTGTGTTG TCCTTGCGAT AGTTTACTGA GAAGATGGTT TCCAATTTCA
70351 TCCATGTCCC TACAAAGGAC ATGAATCAT CATTTTTTAT GGCTGCATAG
70401 TATTTCCATT GTGTATATGT GCCACATTTT CTTAATCCAG TCTATCATTG
70451 TTTGACATTT GGGTTGGTTC CAAGTCTTTG CTATTGTGAA TAGGGCTGCA
70501 ATAAACATAC GTGTGCATGT GTCTTTATAG CAGCATGATT TATAGTCCTT
70551 TGGGTATATA CCCAGTAATG GGATGGCTGG GTCAAATGCT ATTTCTAGTT
70601 CTAGATCCCT GAGGAATCAC CACACTGACT TCCACAATGG TTGAACTAGT
70651 TTACAGTCCC ACCAACAGTG TAAAAGTGTT CCTATTTCTC CACATCCTCT
70701 CCAGCACCTG TCTTTTCTG ACTTTTTAAT GATTGCCATT CTAAGTGGTG
70751 TGAGATGGTA TCTCATTGTG GTTTTGATTG GCATTTCTTT AATGGCCAGT
70801 GATGATGAGC ATTTTTTCAT GTGTCTTTTG GCTGCATAAA TGTCTTCTTT
70851 TGAGAAGTGT CTGTTTCATAT CCTTTGCCCA CTTTTTGATG GGGTTGTTTG
70901 TTTTTTTCTT GTAAATCGTG AAGGACCTCT CCAAGGAGAA CTGCAAACCA
70951 CTGCTCAATG AAATAAAAGA GGACACAAAC AAATGGAAGA ACATTCCATG
71001 CTCATGGGTA GGAAGAATCA ATATCGTGAA AATGGCCATA CTGCCCAGG
71051 TAATTTATAG ATTCAATGCC ATCCCCATCA AGCTACCAAT GACTTTCTTC
71101 ACAGAATTGG AAAAAACTAC TTTAAAGTTC ATATGGAACC AAAAAAGAGC
71151 CCGCATCGCC AAGTCAATCC TAAGCCAAAA GAACAAAGCT GGAGGCATCA
71201 CGCTACCTGA CTTCAAACCTA TACTACAAGG CTACAGTAAC CAAAACAGCA
71251 TGGTACTGGT ACCAAAACAG ATATAGACCA ATGGAACAGA ACAGAGCCCT
71301 CAGAAATAAT ACCACACATC TACAACCATC TGATTTTTGA CAAACCTGAC
71351 TAAAACAAGA AATGGGGGAA GGATTCCCTA TTTAATGAAT GGTGTTGGGA
71401 AAAGTGGCTA GGCATATGTA GAAAGCTGAA ACTGGATCCC TTCCTTACAC
71451 CTTATACAAA AATTAATTCA AGGTGGATT TAAAGCTTAA CGTTAGACCT
71501 AAAACCATAA AAACCTAGA AGAAAACCTA GGCATTACAA TTCAGGACAT
71551 AGGCATGGGC AAGGACTTCA TGTCTAAAC ACCAAAAGCA ATGGCAGCAA
71601 AAGCCAAAAT TGACAAATGC TATCTAATTG AACTAAAGAG TTTCTGCACA
71651 GCAAAAGAAA CTGCCATCAA AGTGAACAGG CAACCTACAA AATTGGAGAA
71701 AATTTTCACA ACCTACTCAT CTGTTTTTTG ACTTTTTTAA AATGGCCATT
71751 CTGACTGGTA TGAGATGGTA ACTCATTATG GTTTTGATTG GCATTTCTCT
71801 GATGATTAGT GATGATGAGC ATTTTTTCAT ATGTTTCTTG GCCACTTGTA
71851 TATCTTCTTT TGAGGAGTGC CTGTTTCATG CCTTTGCCCA CTTTTTTTTT
71901 TTTTTTTTTG ATGGAGTCTC ACTCTGTTGC CCAGGCTGGA GTGTAGTGGC
71951 GCAATCTCCG CTCCTGAAA CCTCTGCCTC CTGGGTTCAA GCGATTTTCC
72001 TGCCCTCAGC TCCTGAGTAG CTGGGATTAC AGGTGCGCAC CACCACACC
72051 AGCTAATTTT TGTATTTTTC ATAGAGATGA GGTTTCACCA TGTGGTCCAG
72101 GCTGATCTCT AACTCCTGAC CTTTGCTTAC TTTTAAATGT TTTTTTTTTT
72151 CTTCTTGTG GATTTAACTT CTTTATAGAT TCTGGATATT AAACGTTTGT
72201 TGGATGCATC ATTAGTCAAT ATTTTATTCC ATTCTGTACA TCATTTGTTT
72251 ACTCTGTTGA TAGTTTCTTT GGCTGTGCAG ATGCTCTTTC ATTTAATTAG
72301 GTCCCACTTG TTTTGTTTTA GTTGCAACTG CTTTGTAGAA CTTAGCCAGA
72351 AATTCCTTGC CAAGACCAAT GTCAAGAAGG GCATTTCTTA GGTTCCTTCT
72401 AGAATTTTTA TAGTTTGATG ATTTACATTA AAATCTTTGA TCAATCTTGA

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75601 TATGTGTGTT TTTGTGGTAG CAGGTGCCAT TCTTTCAATT CCACATTTAG
 75651 CACTCCCTTA AGGACCACTC GTGAGGCTGG TCTAGTAAA ATGAATCCC
 75701 TCAGCATCTG CTTTCTGAG AAGGGTTTA TTTCTCCTC ACTTATGAAT
 75751 CTTTGTTTGA TGAGATATGA AATTCTTGGT TGAAATTTCT TTTATTTAAG
 75801 AGTGCTGAAA ATAGTACCCC AATCTCTTCT GGCTTGTAAG GTTCCGCTG
 75851 AGAGGTTTGC TGCTAGCCTG ATGGGTTTCC CTCTGTGCAT GAATTGACTT
 75901 TTCTCTCTTC CTTTAAGATT TTTTCTTTA CCTTGACCTT GGTGAATCTG
 75951 ATGACTATGT GCCTTGGGGA TGGTTGACTT ATATGGTGTC TAACCAAGGT
 76001 TCTCTGTATT TATTGTTTT GCATGTCATC CTCTTTAGCA ACATTAGGGA
 76051 AATTTTCATG GACTATATCC TCAAATATAT TATCTGAGTT GTTTATTCTC
 76101 TCTCTCTCAG GAATACCATT GAGTCATAGA TTTGGTCTCT TTATATAATC
 76151 CTATATTTAT CAGAAGTTTT ATTCATTTTT AAAAATTATT TTTCTTTATT
 76201 TTTGTCCAAC TGAGTTGATT CGAAGAACTG GTCTTTGAGC TCTGAGATTC
 76251 TTTTCTCAGC TTTGATCCTT CTGTTAATAC TTTTGATTAT ATTATGAAAT
 76301 TCTTGTAATC AATTTTTCAG CTCTAGAAGC TCAATTTGGT TCTTTTTTAA
 76351 ATGGCTATTT CATCTTTCAG CTCTTAGATC ATTTTACTAA TTCCTTGGA
 76401 TCCTTGGGTT GGGTTTCAAC TCTCTCCTGA ATCTCCATGA GATTCTTGT
 76451 CATCCAGAGT CCACATTCTA TGTCTGTCAT TTCAGTCACT TTTGATTGGT
 76501 TAAAAACCAT TGCTGGGAG CTAGTGGACT TGTTTGGAGG TAAGGGTACA
 76551 CTCTGGCTTT TTGCATTGCC AGAACTCTTG AGTTGGTTCT TTCTCATCTG
 76601 AGAAGGTTGG CGTTCCTTTA ATTGTGGTGT AAATTGAGTA TAGTTAGTTG
 76651 GCTTCATTTT TGGATGTTTT CAGAGGGCCA ATGCTCTATG CAGCTTCTTT
 76701 ATTTGTGGCT GAATTCCTAC CTTTGGTCTT ATAGGGGGTT ATATTAGCAA
 76751 AGTATTTTGG TTGTTGTAGT TTGGGCTGCA ATCCAGTAGA TGAAGCTTAA
 76801 GCGTATTTGC TGGTAGAGGC TCTTACTCTG CTGCATGGCT CTTTGTATT
 76851 TCCTGCCACT TGCAAGCTTG CTCTGTGGTG CAGTGGCAAG AGAGGTGACC
 76901 CCTTCACTGC ATTTACTCCT GGGCCTTGGG GGAACCTCTT CCAATCACTG
 76951 GCACTGTACC TGCATTTCTT TTGTTAGATG TTTGGGCTGC AGGGTCCCT
 77001 CAGTCAGAGG CTGAAGTAGG GAGATAGACC ATACCTTTTC AGTCTGGCTC
 77051 TGTGGGAAA GGCATGCCA TTCTGCTGC GGCCCATGAA CCCACGTGAC
 77101 TCAACCTCT TAGTGCTCTG AGAATGTGGG CTCCATTTCC ACTCAAGTGC
 77151 CTTAGTACTC CTAGGCTATG CACTGCAGCC CTGGGAGAG ATCAGGGTTT
 77201 TTGTTCTCTC CCCACCTTGG GGGCAGCAGA GGTGGGGCTG CAGTGGCAGC
 77251 AATGGCATA AGCCTGCCAG TTACCTCAGG GGGTGCCACC CCAAAGAAAT
 77301 GCATAGCTAT GGCTAATTTG AGTGATCAGC TAGGGATGGG GCAGCTGTGC
 77351 TGTGGGCCCC AGCTTGAAG TAGGTGGGGT GGGGGCTCTG CCTAGGGAAG
 77401 ACAAAGAAG ATAGTTGGC CTCTTCTCCA TAGGATGGCT GTGGTGTGCT
 77451 ATAGGCTGTC AACACAATC AGGCTGTTTG TTCCCTTTCT AGCCTGGGTG
 77501 TTGGGGGTGA TGGGTGGGTA CTATGGTGGT GGCAGTGACA GAGGGCCTGT
 77551 CAGTTGTCTC TGGAAGCTCC ACCCCAGAGA AATGCAGAAC CACCCTAAC
 77601 TGATCAGGTG GGAGTGGCAC AGCTGCTCTG GGGGCCTAAG CTGGAAGGCC
 77651 GTGCCCAATC AGGAGCAGCA AGTTCAGAGA GCTGCATGGA AAACAGTCTG
 77701 GCTGCCTTAC TTGATGGCAG CTGTGGCATT CTGGAGGCCA ATGACAGTTC
 77751 TTAGATTCTT TACTCTCTCC CCAGCCTGAG GACAGCAGGG GCAGGGGCTG
 77801 TAGCAGTGGC AATTGCAGCA GGCTTGTCTG TTGCCTCTGG GAGCTCCATC
 77851 CCAGAGGAAA GAAGAGCAAT GACCAGCTGG AATGTTTCTG TTGGGGTGGG
 77901 GTGGCTGTGA TTGGACCTTG CCTGATGAGG TACAGTCTGC AGTTCATCCT
 77951 CTCCTCAGCA CCGTGCCTGT GGTACCTATC CTAGAGGTGC ACGAGAGAGC
 78001 CTGAGCTCCT TTGTTTGTAG GGCTATGGCA GCTGGCACCA ACGTCTCAG
 78051 AGATCCAAAG CTCATGGAGC TCAATGTGGG CTCAGTGGT AGCTCTGCAC
 78101 AGACTCCACA AGCTCTCTGT GTCGATCTGG AAGCCAGGG GAGCCGGGGG
 78151 CCTCTCCTGT GCCCAAGATT ACAAAGGTCA TGCAGACATG TGGTCTTTGG
 78201 GGAATCTCAC TCATCCTCTC ATCCTTCTCT TGCACTGGG AGCCTCCTCT
 78251 GGCTCTGCAC CAATCCTGGG TGGGCAGCTG TCCTACCTTG CTCTTCTTTG
 78301 CTTTCTGTGG GTCGCTGTG CTTCTTTGAT GAATCAAAAC ATGGCCCTCT
 78351 GTATGATCCA CTTGAAGATC TAGTGTTTAC TTGCAGCTCT GCCTCTTCTC
 78401 CATGAGAGCA CTGAGCACTA ACTGCTTCTA GTCAGTCATC TTGGCAAGTC
 78451 AGCCATCATG GCATTTCTTT AACTTTCTTA ATTATCTTGA CAAAATGCAG
 78501 AATATTTTCT TAGCCAATTA CCTAAAAGGT AAAACAAAA CAAACAAACA
 78551 AAAAACCTTT TCACAATTTC CTGTTAAAAG TAGACCAGTA CCTCAAGAAA
 78601 AAGTTGTTTT AACATAAAGG ATGAAATTTT AATTTCCCTT CATAGTGTTC
 78651 TTGATATTAA TGCTTAATTT TTAGAAAAAT TTATAAATAG CACGTCTAAT
 78701 CTTAGCTAGC TTAATCACGT ATAAAATTTT TTTCCCAAGG TTTCCCTTCT

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78751	ACAGACTTTT	TGTATTAGTC	CATTCTCAAT	GAAGAAATAG	CCAAGACTGG
78801	GTAATTTATA	AAGGAAAGAG	GTTTAAATTGA	CTCACAGTTC	CACATGGCTG
78851	GGGAAGCCCC	AGGAAGCCTA	TAATCATGTT	GGAAGGCAAA	GGAGAAGCAG
78901	GCACTTCTTC	ACAGGGCAGC	AGGATGGAGT	GAGTGCAAGC	AGGGGAAATG
78951	CTAGATGCTT	ATAAAACCAT	CAGATCTTCT	GAGACTCACT	CCTGTGCATG
79001	AGAACAGCAT	GGGGGAAACC	ACCCCCATGA	TTTGATTATC	TCCACCTGGT
79051	CCCGCCCTTG	ACATGTGGAG	ATTATGGGGA	TTACAATTCA	AGATGAGATT
79101	TTGGGTGGGG	ACACAGCTAA	ACCATATTAC	TTTCTAATAT	CCAGTCAGTT
79151	TTTTTCCCCA	AATAGTTCTT	TCTCATTTTG	GATCAATCAT	TCTGCTCTAG
79201	AACAAAAATT	ATTCTCTTTT	TGTTTTAACA	GAACAATACA	CATCCTCATA
79251	ACTTATGCTT	TTCTTTACCA	AAAGCACATC	TTACCTATAT	TGTATACTTG
79301	CATATAAAGT	TGTTTTCCCT	ATTATTTCTA	GTAATTTTAG	TTACATATTT
79351	TAATTAGAAT	TCTTAGCCCT	TTATGACCTT	AAITTTCTAGT	GAACACTAGG
79401	AAGCAAGCAA	GTGTGAATAT	CATGCCAGCA	GTCTATAGAT	TGGAAAACCT
79451	GTGAATTATA	ATTCTAGGAG	CATATACTTT	TTTATAATAC	ATTTTTTTTCA
79501	ATGTGGCACA	GAACATTTAT	TAACAGTCCC	AACGTCTCTT	AGTCTCTCTG
79551	TAGTAAGAAA	CTGTAGAGGA	AACAAATTTT	TATTTCTATC	CTGTTAGGGC
79601	TTTTTTTTTT	TTTTCCCATC	CTTCGTAAGA	ATGTTAAAAG	TTTCTGGTAT
79651	AGAAAGGACA	TTTTTCACAT	GGGAATTCTA	TCTTACCTCT	ATTTGACTCT
79701	TGCTTTTAAC	AATTATGCTT	GAAATGCTCA	TAAAGATGAG	ACATTAAATA
79751	GCTAGCCATC	ACCTTAAGTT	ATTTTTCTTG	CTGACAAGCT	ATGTCACATA
79801	GAGATAACAT	GAACTTATTT	TACTAAATAA	ACCTAGGGGA	GAAGAGTTGT
79851	GCATCTGTAT	TATACTAAAT	GCCGACAACT	CTGAAGGTAT	GCCTGCATTA
79901	ATCAAGCCAA	TATACTTTTA	TTAGCTACTA	TTTACCGAAG	ATTATCCAAG
79951	ATTATGTCAA	CTTGAAAAAT	ATTTTCTAGT	TGTTTCTAAG	GGTTTAAAGG
80001	ATACCTATTT	TATATAAGCA	CTTATTTTTT	TTTAAACCAA	TTAAATAGTT
80051	CTCTTTTACA	ACTTAATTTT	GGCAATACCA	TAAAGAAAAA	GAAATATGTT
80101	ACACATTCAT	AACATACATA	CTGACATATA	TAAATATAAA	CATAAAAACA
80151	GATCTGTAG	TATTCATTTA	AAAATTTTAG	CCAGGTGCCA	AGTACAATAA
80201	CACAAAGCTC	ACTAATCTGG	AAAGTGAATTT	TTTTCTGGCC	CATGGAACAA
80251	GATTACCCAC	CCAGATGGCT	AAAGCTTTTG	ACTGATATTT	GTAGAAAAGA
80301	CTTAAGATTT	TTTCCATTGG	CCTTCTCTAA	GGAACTTTTT	AAAGAGGAAA
80351	TCTTTGATTG	ATTTTCATATC	TTAGATATTT	AATACTTCTG	TGTATCCATT
80401	AAAGAGTGTG	TCCCATTGCT	TTTGTGGTAT	GTTGGATCCT	TTCTTCTCTA
80451	ATGTGCTCA	CAAGTGACCA	ATTTTATCTG	GGTTAAAAC	TCACTGTGGC
80501	CACCTGAATT	CTAGCTTGTC	CTTAGTAAGC	TTAACACATT	TTAAAAAAT
80551	GCACAGGTTT	TGGGACCATA	ATTTTGTGAT	ATGGAGAAAA	TTGTGCTTAT
80601	TTTTGTGTGT	TTTAAAGCGA	TACATTGGGT	TGACATACGT	CGTGCACATG
80651	TACCTTAAAA	CTTAAAGTAT	AATAATAATA	AAATAAAAAA	AAAAGAAGCT
80701	AGCAGGTAGC	TTCACTGATA	TTTCTTTAAG	GCAAATTTT	CTTTTCTTTT
80751	TTCTTTATCA	TTGTCTTCAT	CCTCTTCTCT	CTCCTTTCAC	TCCTCCTCTG
80801	AAGGTATTCA	GGAAGAAGAT	GGCAACATGT	AGGCAATAGT	CTTTCTGCCA
80851	CTGGAGATGT	TTTATCGTGT	TCAGAGAAAC	TAAATTGAGT	ATACCAGAAT
80901	CCTCGCATAC	TCAAGTCTGT	CAGTTGGCCC	TGCAGAACCT	TCATATATAC
80951	AAAAGCCCTT	CATATATGCA	GATTTCCATT	CCTGCAAATA	TTGTATTTCC
81001	AATATGTGTT	TGGTTGAAAA	ATATCAGTTT	AGAAGCTGAT	ATTATAAGCT
81051	TGTAAACTGA	TATATTAAGC	AGACCTACGC	AGTTCAAACC	CATGTTATTC
81101	AAGGGTCAAC	TGTATGTTTT	CAGGTACACCT	TTTCATCTGAA	GGACTTTTAT
81151	GTCTGCTACA	CAGGATGTTA	TAATGATCTA	TTGTCAGAAA	TGTTCTTTGC
81201	AACCTACAGA	AACATGAGAG	TACAGCTTGT	ATGGCTCAAC	AGAATTCTGA
81251	TAAACTCAAG	GAGTAAAAAG	AGAGAAGAAA	TAAAGGCAGG	TTTGAAGAAT
81301	GAGAAAGAAA	TGATAGTCTT	TTAGACAAGG	AGTTAAGTAT	TCAATTGCGC
81351	ATATTTTTGA	ATTCCACCAA	GCTTTGGAAC	ACTCTCCTTG	GCCCAGAAAA
81401	ACTATCAGGA	AACCGTACTT	GAGCTAGGCT	GCTAGTGAAT	TTTGCTATA
81451	CTTTTGATTT	GTTACGGCCC	TGTGTAGGAG	AGAAAATGCT	AGGCAATAT
81501	TTGCACATTG	CAGTGTAAAG	AAATAAAAAA	TGCATTAGAA	GTGAATCAGT
81551	TGACCTCATA	TTGTTTCATT	AGAAGTAATT	TCTTTTGGAT	TGTCCTCATG
81601	CCTATAAATG	TTCTTCTTTT	GCATCTTAAC	AACAACCTCTG	TCATGAGTAG
81651	TCTATGACTA	GCTTATTTTT	TCCACTTTTG	CTCCCCATGA	ATATGATAAG
81701	GACCTCTCCC	ACTCTTTATG	GGGCCTGTGT	TTTGCATCCG	GCAAAGACTA
81751	AACACAGTTA	ACATTTGAATC	CATCCTTTTC	TTTAGAGCAA	CAITTTCTCA
81801	ATTATCTCTA	AGTTTTCGGT	TTTTTACAGT	AAAATGGATC	AGGTTCTAAGG
81851	TCTCTCTAAG	AAAAATTAGC	ATTTGACATT	TTTATTTTTTA	TAGCAATTGA

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81901 AATACATCAG TACAACCATA TTCAGAAAGG GCATTATGTC AGACACTGCC
81951 AGGCTATTTT AGATGTTTGT CATTTTGTAT CATAGTTAGT TTTTGGCCTT
82001 AATAATAAGT ATTATTATTT TACTTATTGC CAGTGAATGA TAGGATAGAG
82051 CTTAACTAAA TGCTTAAACG ATGTGCTTGG ATCCCCACAT AGATCCACAG
82101 TTATTATATT CCTTAGGGTT TTGCTATAGC TACGTAGAGG AAAGGAGAAT
82151 TCAGTCATCC CAATGCGCAT GGTACCCTGG GCATGCTGAA CTAAAAGAA
82201 GCTATACTAC AGCAGCTATA TGCACAATAT AAGTGCCAAT TTAGTTTCAC
82251 CAAAAATCAT CACTTTATAT TAAATTCATA TCACTGATTT GAATTTTATT
82301 GGCCGACCTT TTTAAGTTT ATATGTTAAG ATTCTATAAT TATATACAAC
82351 TCTAAGTGTA AGAAAAGTTA TTGCTAGTTT TATGTGGGTG CATATATAGG
82401 TAATATAATA AAAAAATAAT TAGATTGAAG GTTTGTGTGA TAACTTTTCT
82451 CCTTATAAGG GTTTTTTCTT GGAGTGATAT CATTAAAGCA TTTAAAACAG
82501 ATTTTATGAA GTAACACTG ATACTAGAGG AAAGAGCTAA GCTCCATTCT
82551 AATTTGTGCA GAGTGACTGG GTATTGAGG AGAATAAGGG AGTAGGGAAG
82601 AGGAACAGCA GGGGCCTGAG CAGAGTCAAG GAAGTGAAAA ATTACAAAAA
82651 TCAGGAAGTG GAGGTTGGTC CCTGTAAACT CATGTGGGTT TGTATCTGG
82701 TGCTCATCAA AGTTAGACTC CTAACCTTCC TTAGAGATTG GGAGACAAGA
82751 GCCCTATCTT CAGGCATTGG CTGGAAGAAA CTGTCAATTC TTCTGTCTAC
82801 CTTGAGTTTT CTCAGGTAGG AACTTTAAGG GGTAGGAGG TAGGACCATC
82851 CTAGGGTTGT GGCCTTGGGC TTTTAGAAAC TATTAATAGA TTCTGTGTTG
82901 TTAAAGTCTT TATAGGTTAA TGTTGAGGCC GAGCTGAGAA GAGTGCTCAA
82951 AGGAACCTGG ATAGACTTTG ATTAAAGAGA GAATCTTTGT CAGTGATAAT
83001 TACAGAATGG CACTTTCTTA TAAACAGTGA CTGCTATGTA TTAAGTGTG
83051 TTAAGTGAAC TTGATTTTAA CATATTAGCT GAAAAAATAT GAAAGATTAT
83101 GCTCTTCATT TCAGGGCCGA GATCTGGACG ATAAAATTCA GGAATATAAA
83151 CAAGCTGGAA AAATCTTCC AGAAAATCAA ATAATAGAAT GGTTTATCCA
83201 GCTGCTGCTG GGAGTTGACT ACATGCATGA GAGGTATGTT CATTGCTAC
83251 TGGGGGAGCA TGATATATTT TTAACAGTCA TGTTTGAAGT TGAAAAGTGA
83301 ATTTTTTTTC TATAATTGAA AGAAAACAAG TTCAAAAGGT ATATGGCTAA
83351 AATTAAACAT CTATAATATG TTTTTCCTTG AGAAAAGTGT TGAATGATTA
83401 TATCTAGAGG ATTTACTTGC ATAGCTTTTT GTTGCTGTTC TGAAGTCAA
83451 GTTGGCCTTG AATATAAGAC AGAAATTTGT ATTAAACACA TTTCATTATG
83501 TCTGATCATG TCCTGTGAAT TACAGGAAGT TCTCAGAAAC CTTTGGCATC
83551 CTATGAATTT ATTGTATCTT ACAGCAGGCT TGAGTTGTAA ATACCTTAGT
83601 ATGCCACAAA TGAATTGTGT GGTGCGCTTG GAATGTGTCA GTGCACACTT
83651 AGCTAGGTTT ACATCCCAAA AGAGCTCAGT AATTGAGACA GAATGTATTC
83701 TTTACCTCA CTAGGATAAG TATTGAGATA GAAAGTCAGT TTTGATATGA
83751 AGTATCTGAT AATGAAGGTC AATTATTTTG ATTATCTGTG ATTTACATTT
83801 ACAATCTCTG CCTCAAAAAT GTATTTTAAA ACTTTTAATG AATTTTATA
83851 GGTCAAAAGT AAGAAGTTTT AGAAGTTAAA TATTTTAGAG ACCCATAAAA
83901 TGATATGAAC ACGTTTGAAA AGATGAACAT ACATAGACAA AAAAGAAGTG
83951 GATATTCTGA GGTGTCTGTG GTCGCTTTCA CCTTGGAGT GGGGCGTTAA
84001 CACATGCTAC CATCTTCTT GAACGAAAGG GGGTAATTTA TAAAGCACAC
84051 CAAGGTCTAA CTATCCGTGG ATGTCAGGTT GCTTAAATGT GTCATCTGTA
84101 CTTTCTGACA GCATAAAAAG TAATCGGATT ATTCTGTAAT TCGCCATGTA
84151 TCTTCTAAAA CACATGCTTG TTGATACAGA TAGCTACTGA TTTATTGACA
84201 CCTCATAACA ATCTGTTGGA TGATGTCAAA CTATCTTTAG AAATCTTTTA
84251 TTAAGGATT ATTTGACTTA AATGAATCAA ATAATCTTTT AATAAGCTAC
84301 CCAAAGCTAC TGAAGTAAA ACTTCTGTGT ACATACATTT ATATTGGTAT
84351 TTCTTTTATT TCTTTATTTT TTAGCATATT GTTAGGTTAT ATGCAAGAAA
84401 AACAACTAAA AAACAACACA TATTAAGATG CTAAGTATGG TATTCTATGC
84451 ACAAATATCA AAAGTGAAT TTGGTTGATT TAAGAACCCA AATATTTTGT
84501 ATACCTTTAA GACTGCTTAG TAATAGTTAA AATAAATGAG TTTAAAATAA
84551 CCCTTTGAAC AGAGGCTTAT AATTTTAAAT CCTTTAATAT TCAAAGAAAG
84601 TCATTAAATG AGACTAAATA TTTGGATATT TGTGAATCTG TGGATCTGAA
84651 ATACAATCCT TTGTGATTCA GGTAACAATT GATGGTGCTT CTTAGTCATT
84701 ATGTTATTAT AACCAATTAC TGTAAAATTT TTATGTACAG AGAAATTACA
84751 ATTTTATGTT TCGGTTTATT CATTCCTTCA TTAGATAGTG ATAAATTAAA
84801 AATAAGTCTC AACCTCAAAG AGCTGTTAGT AAGCTAGCCG ACATAAAACA
84851 TGTACCCTTA TAACTATAAG CCAATGTACCA TGGTGGATGT GCACAATTCA
84901 TTGTCTCCAC TATTCACCAG ATTCATGACC TTGAGCAAGC TGGTCATGAG
84951 AGCAAGCTCT CCTCTCTGAA CCTGTTTCTT CATCTATTAG ATTGGTGCAG
85001 AAGTAATTGT GGTTTTGGCC ATTATTTTAA ATGACAAAAG CCACAATTAT

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85051 TTTTGCACCT ACCTAATATA AAGTAAGGAT AATAATAGGA CTCTCCTTGC
85101 TTACATTAAA GGGTAGAAAA TATGCATTCA GATATTAGAC AGTTTAAAAG
85151 TTTGCAAAAT GTTAAGCTCT ATGTAATGTT CTTGTTATAA TTTAATATAG
85201 AAATGAGAGC ACAGACATCA AAAGGGGTTT TAAAAACGAT GACAGTAGCA
85251 AGTGTGGTA AACATATGGA GTACCTGGAA TTATTTTATA TTGTTAATAG
85301 GGTATACATT GATATAAACA CTTTGTAGAA ATGTTTGCAA AACTTTCTAA
85351 GCCAAACATA CAAATAGCTA TGACCCAGTA ATTCTATTCC TAAGGGTAGA
85401 AATGAGTGCT GATGTCCAAC AAAAGGTATG CAGAAATGTC CATAGAAGCC
85451 TTTTTTGTAA TAGTGA AAC ATTAAAAAAT ATTCATCTAC AGTGAATGG
85501 TTAACCTGAG TGTGGTATGG CCCTATAATG GACTTTTAAA ATTACTATTCT
85551 TATAATTTAA AAACAATACA CAATTGATAA TAAGCATGAC CTGGGTGAAT
85601 CTCAGAGATC AGAGGTAGGA TGACAGAAGC CAGATGCAAA AGAGTGATA
85651 CTGCATGACT ACATTTATAT GAAGTTCAA AATAGGCAAA ACTAACCTAA
85701 GATAAGTCAG AATAGTGATT ACTCTTGCAA AGGGGTTTTG CCTGGAAGGG
85751 GCACAAAGAA ACCTGGGATG TTAGAAATGT TCTATATCTT AATCTGGATA
85801 GAGGATTACA AGAGTGGTAC AGATGTTGAT ATATATGTAA AAAATCATCA
85851 AATTTAAGAT TTTTGCATT TAATGTAAGT TATACTCTAG TTTAAAAACA
85901 GTGATAAAG GGCACAGAA AGTACAATTT AGTGTTACAG GAGATCAGAA
85951 GAGAGATAAT GTTTTCATTT GGAGAATCAA TGGAGGCTTC TTCTTGGAAG
86001 AAGTAGCACT TGACCCAAGG TAGGTTTCAA GTATGATGAA AAATGGGTCA
86051 GAGCTTTCCA GATATAGGGA ACAGAGCACA GCCACAGAGG TGGGAAAAACA
86101 TGGAACTTTT AGAGAGAATC ATGAGTAGTT CTATTGGGAA GGTCTTGGA
86151 GTAATGAATA AAGTTGTTTG CAAAGGTAGG CTGAGGTCAA GAGGGCTTTA
86201 TTTTGGAGCA TAGACATTGA ACTCCACAAG AGCTTTTGA GTGGAGTTAT
86251 ATAATATTGC CAGAGCTTGC TTCAGGAAGG TTAGATGATA AATTATATCA
86301 AGGAGAGAAG GTAACCTGGG TTATCAGTCA AGAACCTTTT ATAATATCCA
86351 TGCATGAGAT TGTGAGACCT AAACCAAGCT GGCAGAGGTG GGTAGAATGA
86401 GGAAGATGA GAATGAACCT AGTAAGTTGA AATGACTGGA CTTGCAATTA
86451 ACTGTATCTG AGATGTGATA GAAGGTCAA GATGAACCTG AGGTTTGTG
86501 CTTGAGTGA TGGAAATTG GAAAGACAGG TTTGAAACAA TGGTGATGAG
86551 TTTAATTATG AATATGCTGG GTAGAATATG GAGAGAGAAG AAGGAGAGGG
86601 AGGAGAGAGA GAGAATGAGA ATGAGAGAAG GAAGTTAGAA GTGAGGCTCT
86651 GGATCTTAGG GAACCATCAG GCCTTGACTT TGTGTTGGTT CCTACAATAT
86701 CAGAGCCCTG AAACAAAGAC TAGGGTACAA ATAGAGTTT AGGAGGTAAT
86751 CTTAGAAATC AGAAGCCAAT AAGTGGGAAG AGTGAGAAGG AGAAGCCAGA
86801 AAAGCTGTGC AGAATGCATG GTTGAACCTG TGGCTGCTGT GGGTAGAGGG
86851 ATGCAGAGGC AGGACTCTTC TAATAGTGTT TTAAGTTTGT AGTTTCTCTT
86901 CCTGCATTCT TTCCTGAATT TTTGGGGAAG AAAAGAAAAA GCAGGCCGGG
86951 CACAGTGGCT CACGTCTGTA ATCCCAGCAC TTTGGGAGGC CAAGGCCGGT
87001 GGATCACAAG GTTAGAGATT TGAGACTAGC CTGGCCGACA TAGTGAACCC
87051 CCATCTCTAC TGAATAATACA AAAAATTAGC GAGGCATGGC GGCAGGCACC
87101 TGAATCCCA GCTACTTGGA GGCTGAGGCA GGAGAATGGC TTGAACCTGG
87151 GAGGTGGAGG TTGCAGTGAG CCGAGATTGC ACCATCGTAT TCTAGCCTGG
87201 GTGACAGTGC AAGACTCCCT CTCAAAAAAA AAAAAA AAGGCAATCT
87251 TGCTTAAATA TAACTATTGT TTTCTAGCAC TATTGTGAAT TTCCTCTTGA
87301 AAAATTTCTT GTATTCTTGG GAATTTGGAG TGAGGAGGGG GAGGAAGTTG
87351 GAGTGAGGAG GGGGAGGAAG TTGTCTTCAT CTTGATCCAA TTTTAGAATG
87401 GTTTTTAAAT GGAGCAGTTA TATATATATT ATTCTGATT GTAAATGTAT
87451 AATCTATGTT TCACTTCTGT TGGTTTTTCTG TATTTAATTT AGTATAAAAC
87501 ATGTTTCTCT CAGAAAATAA ACTTATTTAT CTTAATTGTC TGACTTTAAA
87551 ACTTTTTTAAA TCCAAAGGAA TGATTTTTTT TAGCATATGG CATAAACATT
87601 TATAAATAAT TAAAAAGCCA AGACTATTCA CAGTTCACTG AAAGCTACTT
87651 TGAGAACGTA GCACTAAAC ATGTTCTTGC CGAAGGGAGT CATGCTGTAT
87701 TAACAAACT CCAGTGCTGT GGCTTACAGC AGCAATCATT TCCTGCTCAT
87751 GTTGCAATAT CAGAGATATG GGTCTCTGTC AAGTCTGCTC TACATGTCTT
87801 CATTCAGTA CCCAACTGA AGGAGCAGCC CTATCCAGGA CAGGCTTTAC
87851 TCCTGGTGGA GGGAAAAGCA AGAGAGTGGA AACCCTTGC TCAGACATGA
87901 CAATCATCCA GTCTGCTCAC ATGTCATTAA CCAGAGAAGT CACATGACCA
87951 CTCTTAATGT CAGAGGGGGT GGAGATGCCT CTCCTCCCA AAGGGACCCC
88001 TCACTGCAAG GAATAAGAAG CGTGAATACT TGGGAACAAG AATAAGTCTA
88051 CTACAATGTT TCACTCAGCT TTAGACTAAA ATCTTTCAA TTACAGCTGA
88101 TAAATATAGG CTTGTCTACA AAGCATTATT CTAGTTTCT CTTATATGA
88151 TCTACAGTAT ATATTAAAGT ATATTTTGAA AATTACATA ATTGGCTTAC

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88201 ATATGAGTTA AGATTACCTT GGAAACAATA CATGTGAAGA GGTTAGGTTT
88251 GTTGCAAATG CCTTGCAAAA ATTTTAGTTT ATATATATGA TGTTTGATT
88301 TATGTGTCAA GTTGACTGGG CAGTAGATGC CCAGAATTAC ACATTGTTTA
88351 CAGGTGTGTC TTTGAAGATG GTTCTGGATG AGATTAGCAT TTGAATCTGT
88401 GGACTCAGTA AAGTAGATTG CCCTCCACAG TGTGGGCAGG CATCATCCAA
88451 TCCCTTGATG GCTTGAATGG AACAAAAGAC AGAGGAAGGA GGAATTTGCC
88501 CCCTTGTTCC TGCCTCACTA CTTAAGCTAG ACATCTCATC TCCTACCCTC
88551 AGACTGGGAT TTACACCATT GGCTCCCCTG GTTCTCAGTC CTTTGGACAG
88601 GGACTGAATT ACATAATTGG CTTTCCTGGG TCTCTAGCTT GTAGACAGCA
88651 GATTGTGGGA CTCTCAGCC TCCCTAATTC ATGAGCCAAT TCTTCATAAT
88701 AAATCATTTA TCATTAGAAC CCAGACTAAT ACAGTGCAGC CGTAGAGGAG
88751 ATAAAGAAGA CCCTGGAAAC ACTAAGAAGA ATGAAGTTAC AGAAAAAGTG
88801 AAGAATCTGT TCACTCCTTT GGAGCTTCCT GTACTTATTT TAATTTGGTT
88851 TATTTATACA TTATTCTAAA TCTATAACAT ATGGCATAAA CACATAAATA
88901 ATGATGTTAA AACCTGAGAA AATTCACAGT TACTAGAAG CTATCTTGAG
88951 AATGTTGCAC TGAAACCCAT TACTGTTCTG GCGGGGAGT TCAGTTATGT
89001 CAATTTCTTA AGATAAAGGA CAGAGCAGCC TCTCTGCAGA GAGCCACCT
89051 GCTGGTGGTC TCAAGGCCTT GCTGATTTTG GTGCTTTCCA AGTAGAGGAG
89101 AGAACAGGGC TGGGCACTTA CTCCAAGACG GCTTCCTCAT CACCTCACTG
89151 CCCATGGATT TCCAGCCAG CTTGGCGAGG TATTGTGGTA GAGTGGCTAA
89201 AATGTTCCCT GAAAGGTAGT GTTTTCTTTC TTTCTTTCTT TCTTTCTTTC
89251 TTTCTTTCTT TCTTTCTTTC TTTCTTTCTT TCTTTCTTTC TTTCTTTCTT
89301 TCTTTCTTTA TTACTCTTTA AGTTCTAGGA TACATGTACA CAACGTGCAG
89351 GTTTCTTACA TATGTATACA TGTGCCATGT TGGTGTGCTG CACCCATTAA
89401 CTCGTCATTT ACATTAGGTA TCTCTCCTAA TGCTATCCCT CGCCTTCCCC
89451 CCACCCCATG ACAGGCTCCA GTGTGTGATG TTCCCCACCT TGTGTCCAAG
89501 TGTTCTCATT GTTCAGTTCT CACCTATGAG TGAGAACGTG CAGTGGTTGG
89551 TTTTCTGTCC TTCTGATAGT TTGCTCAGAA TGATGGTTTC CAGCTTCTTC
89601 CATGTCCTA CAAAGAACAT GAACACATCC TTCTTTATGG CTGCATAGTA
89651 TTCCATGGTG TATATGTGCC ACATTTTCTT AATCCAGTCT ATCACTGATG
89701 GAAATTTGGG TTGGTTCCAA GTCTTTGTTA TTGTGAATAG TGCCACAATA
89751 AACATACGTG TGCATGTGTC TTTATAGCAG CATGATTTGT AATCCTTTGG
89801 GTATATACCC AGTAATGGGA TGGCTGGGTC AAATGGTATT TCTAGTTCTA
89851 GATCCTTGAG GAAATGCCAC ACTGTCTTCC ACAATGGTTG AACTAGTTTA
89901 CAATCCCACC AACAGTGTA AAGTGTTCCCT ATTTCTCCAC ATCCTCTCCA
89951 GCACCTGTTG TTTCTGACT TTTTAATAAT TGCCATTCTA CCTGGGTGTA
90001 GATGGTATCT CATTTGGGTT TTGATTTGCA TTTCTCTGAT GGCCAGTGAT
90051 GATGAGCATT TTTTCATGTG TCTTTTGGCT GCATAAATGT CTTCTTTTGA
90101 GAAGTGTCTG TTCATATCCT TTGCCCACCT CTTGATGGGG TTGTTTGATT
90151 TTTTCTTGTA AATTTGTTTA AGTTCTTTGT AGATTCTGGA TATTAGCCCT
90201 TTGTCAGATG GGTAGATTGC AAAAATTTTC TCCCATTCG TAGGTTGCCT
90251 GTTCACTCTG ATGGTAGTTT CTTTGTCTGT GCAGAAGCTC TTTAGTTTAA
90301 TTAGATCCCA TTTGCCAATT TTGGCTTTTG TTGCCATTGC TTTTGGTGTT
90351 TTAGTCATGA AGTCCTTGCA CATGCCTATG TCCTGAATGG TATTGCCTAG
90401 GTTTTCTTCT AGGGTTTTTA TGGTTTtagg TCTAACAGTT AAGTCTTTAA
90451 TCCATCTTGA AGAAATTTAA TATAAGGTGT AAGGAAGGGA CCCAGTTTCA
90501 GCTTTCTACT TATGGCTAGC CAGTTTTCCT AGCACCATT ATTAAGAGAG
90551 GAATCCTTTC CCCATTGCTT GTTTTCCTCA GGTTTGTCAA AGATCAGATA
90601 GTTGTAGATG TGTGGTATTA TTTCTGAGGG CTCTGTTCTG TCCCATTTGGT
90651 CTATATCTCT GTTTTGGTGG CAGTACCGTG CTGTTTTGGT TACTGTAGCC
90701 TTGTAGTATA GTTTGAAGTC AGGTTGTGTG ATGCCTCGAG CTTTGTCTT
90751 TTGGTTTAGG ATTGTCTTGG CAATGTGGGC TCTTTTTTGG TTCCATATGA
90801 ACTTTAGTTT TTTTTTCCCA ATTCTGTGAA GAAAGTCATT GGTAGCTTGA
90851 TGGGGATGGC ATTGAATCTA TAAATTACCT TGGGCAGTAT GGCCATTTTC
90901 ACGATATTGA TTCTTCCTAC CCATGAGCAT GGAATGTTCT TCCATTTCTT
90951 TGTGTCCTCT TTTATTTCAT TGAGCAGTGG TTTGTAGTTC TACTGAAGA
91001 GGTCTATAC ACATCCCTTG TAAGTTGGAT TCCTAGGTAT TTTATTCTCT
91051 TTGAAGCAAT TGTGAATGGG AATTCATTCA TGATTTGGCT CTCTATCTGT
91101 TATTGGTGTA CAGGAATGCT TGTGATTTT GCACATTGAT TTTGTATCCT
91151 GAGATTTTGC TGAAGTTGCT TATCAGTTTA AGTAGATTTT GGGCTGAGAC
91201 GATGGGGTTT TCTAAGTATA TGATTATGTC GTCTGCAAAC AGGGACAATT
91251 TGACTTCCTC TTTTCTGAT TGAATACCCT TTATTTCTTT CTCTGCCTG
91301 ATTCCCCTGA CCAGAACTTC CAACACTATG TTGAATAGGA GTGGTGAGAG

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91351 AGGGCATCCC TGTCTTGTGC CAGTTTTCAA ACAGAATGCT TCCAGTTTTT
91401 GCCCATTGAG TATGATATTG GCTGTGGGTT TGTCCATAAT AGCTCTTATT
91451 ATTTTGAGAT ACATTCCATC AATACTTAGT TTATTGAGAG TTTTGGGTAT
91501 GAAGGGCTGT TGAAGTTTGT CGAAGGCCTT TTCTGCATCT ATTGAGATAA
91551 TCATGTGGTT TTTGTCTTTG GTTCTGTTTA TATGATGGAT TACGTTTATT
91601 GATTTGCATA TGTGAACCA GCCTTGCATC CCAGGGATGA AGCCAACTTG
91651 ATCGTGGTGG ATAAGCTTCT TGATGTGCTG TTGGATTGAG TTTGCCAGTA
91701 TTTTATTGAG GATTTTTGCA TCGATGTTCC TCAGGGATAT TGGTCTAAAA
91751 TTCTCTTTTT TTGTTGTGTG TCTGTGGGCT TTGGTATCAG GATGTTGCTG
91801 GCCTCATAAA ATGAGTTAGG GAGGATCCCT CTTTTTCTGT TGATTAGAAT
91851 AATTTGAGAA GGAATGATAC CAATTCATGT TTGTACCTCT GGTAGAATTC
91901 GGCTGTGAAT CCATCTGGTC CTGGACTTTT TTTGGTTGGT AGGCTATTAA
91951 TTATTGCCTC AATTTGAGAG CCTGTTATTA GTCTATTGAG GGATTCAACT
92001 TCTTCCTGGT TTAGTCTTGG GAGGGTGTAT GTGTCCAGGA ATTTATCCGT
92051 TTGTTCTAGA TTTTCTAGTT TATTTGAGTA GAGGTGTTTA TAGTATTCTC
92101 TGATGGTAGT TTGATTTTCT GTGGGATCGG TGGTGATATC CCCTTTATCA
92151 TTTTTTTTGC ATCTATTGGA TTCTTCTCTT TTTTCTTCTT TATTAGTCTT
92201 GCTAGCTGTC TATCAATTTT GTTGATCTTT TGAAAACCA GCTCCTGGAT
92251 TGATTGATTT TTTGAAGGGT TTTTGTGTG TCTATCTTCT TCAGTTCTGC
92301 TCTGATCTTA GTTATTTTCT GCCTTCTGCT AGCTTTGAAT GTGTTTGCTC
92351 TTGCTTCTCT AGTTCTTTTA ATTGTGATGT TAGGGTGTCA ATTTTAGATC
92401 TTTCTGCTT TCTCTCATGG GCATTTAGTG CTATGAATTT CCCTCTACTC
92451 ACCGCTTTAA ATGTGTCCA GAGATTCTGG TATGTTGTGT CTTTGTCTC
92501 ATTGGTTTCA AAGAATATCT TTATTTCTGC CTTCAATTTG TTATGTACGC
92551 AGTAGTCATT CAAGAGCAGG TTGTTTAGTT TCCATGTAGT TGAGCGGTTT
92601 TGAGTGAGTT TCTTAATCCT GAGTTCTAGT TTGATTGCAC GGTGGTCTGA
92651 GAGACAGTTT GTTATAATTT CTGTTCTTTT ACGTTTGCTG AGGAGGGCTT
92701 TACTTCCAAC TATGTGGTCA ATTTTGAAT AAGTGCAATG TGGTGCTGAG
92751 AAGAATGTAT ATTCGGTTGA TTTGGGGTGG AGAGTTCTGT AGATGTCTAT
92801 TAGGTCTGCT TGGTCTGAG CTGAGTTCAA ATCCTGGATA TCCTTGTTAA
92851 CTTTCTGTCT TGTGTTCTG CCTAATGTTG ACAGTGGGAT GTTAAAGTCT
92901 CCCATTATTA TTGTGTGGGA GTCTAAGTCT CTTGTAGGT CTCTAAGGAC
92951 TTGCTTTATG AATCTGGGT CTCCTGTATT GGGTGTATAT ATATTTAGGA
93001 TAGTTAGCTC TTCTTGTTGC ATTGATCCAT TTACCGTTAT GTAATGGCCT
93051 TCTTTGTCTC TTTTGATCTT TGTGTTGTTA AATTCTGTTT TATCAGAGAC
93101 TAGGATTGCA ACCCTGCTT TTATGTTTGT TTTGTTTTTC CAGTTGCTTG
93151 GTAGTCTTTC CTCCATCCCT TTATTTTGAG CCTATGTGTG TCTCTACACA
93201 TGAGAGGGAT CTCCTGAATA CAGCACACCG ATGGGTCTTG ACTCTTTATC
93251 CAATTTGCCA GTCTGTGTCT TTTAATTGGA GCATTTGCGC CATTTACATT
93301 TATGGTTAAT ATTTGTATGT GTGAATTTGA TCCTGTCATT ATGATGTAG
93351 CTGGTTATTT TGCTCGTTAG TTGATGCAGT TTCTTCCTAG CATCGATGGT
93401 CTTTACAATT TGCCATGTTT TTGCAGTGGC TGCTACTGGT TGTTCCCTTC
93451 CATGTTTTAGT GCTTCTTCA GGAGGTCTTG TAAGGTAGAC CTGGTGGTGA
93501 CAAAATCTCT CAGCATTGTC TTGTCTGTAA AGGATTTTAT TTCTGCCTCA
93551 TTTATGAAGC TTAGTTTGGC TGGATATGAA ATTCTGGGTT GAAAATTCTT
93601 TTCTTTAAGA ATGTTGAATA TTGGCCCCA CTCTCTTCTA GCTTGTAGAG
93651 TTTGTGCTGA GAGATCCGCT GTTAGTCTGA TGGGTTTCCC TTTGTGGGTA
93701 ACCCGACCTT TCACTCTGGC TGCGCTTAAC ATTTTTCCTT CATTTCAACT
93751 TTGGTGAAAC TGATAATTAT GTGGCTTGGA GTTGCTCGTC TTGAGGAGTT
93801 TCTTTGTGGC ATTCTCTGTG TTTCCCGAAT TTGAATATTG GCCTGCCTTG
93851 CTATATTGGG GAAGTTCTTC TGGATAATAT CCTGAAGAGT GTTTTCCAAG
93901 TTGTTTCTAT TCTCCCTGTC GCTTTCAGGT AACTAATCA GATGTAGATT
93951 TGGTCTTTTC ACATACTCCT ATATTCTTG GAGTCTTTGT TCGTTCCCTT
94001 TTAATCTTTT TTCTCTAAAC TTCTCTTCTC GCTTCATTTT ATTCATCTGA
94051 TCTTCAATTA CTGGTACCTT TTCGTCCACT TGATCAAGTC AGCTACTGAA
94101 GCTTGTGCAT GGTCTACATA GTTCTCGTGC CATGGTTTTT AGTTCCATCA
94151 GGTCATTTAA GGTCTTCTCT ATGCTGTTTA TTCTAGTTAG CCATTCATCT
94201 AATCTTATTT CAAGGTTTTT ATCTTCTTTG AGATGGGTTT GAACATCCTC
94251 CTTTAGCTCG GGAAGTTTGT TTATTACCTA TCGGCTGAAC CCTTCTTCTC
94301 TCAACTCGTC AAAGTCATTC TTCGTCCAGC TTTGTTCCGT TGCTAGCGAG
94351 GAGCTGAGTT CCTTTGGAGG AGAAGAGGTG CTCTGATTTT TAGAATTTTC
94401 AGCATTTCTT CTCTGGTTTC TCCCATCTT TGTGGTTTTA TCTCCCTTG
94451 GTCTTTGATG ATGGTGACGT ACAGATGGGG TTTTGGTGTG GATGTCCTTT

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97651 CTCTGTGGAG GCAGAGGCAC ACTTGAATAT TTTTGTCCAG CAGAGATGCA
97701 AATAATTTCT GTCCAGTAGA ACAGATATCC CTGGTGATGA TGGTTTATGG
97751 CCTTGTGGG CATTAAACCAG TTTTGTATCT AACTCAGCAA TCATATCCCC
97801 CTGCCACATT CACCCCTAC ACCCCCACT TCCTTTACCT AACAGGTCTG
97851 AGGAGGGCTG AGCCTCCCCA GAGGCTCATG GGGTTCTGGT GTCAAGGGAG
97901 AAGAGGAGGA GAATGGTTAT TGGGTAGGCA TTTCACAGTT CCTGCCACAC
97951 CAAGAGAACC CCAAGAGTAG GCATAGAGAA AGCCAGGTTT CATTTAACAC
98001 AGTTAGTAAA TACTGTTGTT CTCTTTTAA ATCAGTTAAG AAGTCAGCAA
98051 CATACTCATG TACAGCATAG GTCTAGGTAT CGTGGGAATG TAAGAAGGCA
98101 GTAGAAAATA GTTATTAAT AGCAAAGTTT TTATAGATAA ACAGACCTAT
98151 GTGAGAATAG TGGTTTATAG AGTCAAAGAG ACCTCAGTTT GAACCAATAG
98201 GCTATACAAC ATTGGGCAAG TTATTTGGCC TTTCTAGGCC TTGATTTCTT
98251 CATCTCCAGA TTGGGCATAA CAGTAAAAAA ATAGTAGTAT AGTGCTTAGG
98301 ATTATAGCAT CTGGGGTTAT GGACCTCAAG ATGAAGTGGC CTAGTGTTGC
98351 ATTGTCTAGT TTTGCTCTTC TCTTTTCTCT CTATTCTTAG AACATACTT
98401 ATTCTCTCT ATCCACTAA AGGGTTAAAG AGGCTAAAGA TTATTTGAAT
98451 TAGGGGAAAT TCTCACTATC ATATCCAATT CTTCACTTTA TATGCTGATG
98501 TTATAGGCCC GGTGAGTTT CTGCCCATT GTGTCCTATA AAGTAAACTA
98551 TATGATCTTT ATGAGTGACT TTTCTTTAAA ATGTTGTTAG TCAGAATTTG
98601 CTTAGTCAGA ATAAAGCTGG ATGGTTGAGG CCTGAACACT TTACAAAGGT
98651 AACATTATTA CACTTGTACT ATCATTAATT CTAATGGTAA AAATTATTTT
98701 TATAATTGAT ATTTCTGGTT TTAATTAATA ATAGTAATAT TAATTTGGTG
98751 GGCATGTAAC TGAGAGTGAT CATTTACTGA GAGAGATATT TCCTTATGAC
98801 CAGGTGAATG TCTTTATTGG TAATTATTTA CAATTATAAA TAATTCTTTA
98851 GTAAAGTGAC AGTGGTTAGG TTTCCCTTCT GCCATCTCTT ACAGTTGCTG
98901 ATGTACTTAA AAAAACTCT CTAACCTGAG TGTAAGCATT ATGAGATACA
98951 TAGCCTTGTC TTATGAATCT TTGTATCTGT CACATTATGT AGTACAGCAC
99001 ATAACATCTA GTTGGCACTC AATAATTGTT TTTTGGATTA ATGAATGAGT
99051 CCCACTAGAT AGTATTCATC TTTGTACCAA GGATAGTGTT TTAAAAACCA
99101 ACATGCATTT ATTGAGCATC TCCTGTGAGT GAAGAACTGT GAAGAGGAAG
99151 AGATGATATT AATAGAAATG TGGCTCAAGC ATTTGCTAAG GCTGCCAGAA
99201 GCATTGGTAG GGCCAGATCT TGAAATCTCT AGCAGGCCAC ATATAGAACT
99251 GTAGACTCTA TTCTGGAAGC AGTGCAGAGC CATTGAAGGA CTTAAGTTGG
99301 TGTTTAAAGG ACAGATTTTC ATTTTCTAAA GCCACAACCC CATTTCGAC
99351 CTAAGGCTCA AGAATACTGC TCCCAGACTG GGTTCTCCTA TTTAAGCAGG
99401 AGGACAGATA CACTGCAGTC AATTTCTTCT TAAAGACTTT GACTCCAATT
99451 GTGTCCTTCT TTTCTATTAT TTTTATTCAG GATTTCAAGT CTACTTCCTT
99501 TATGTACCCC ACAAATTATT AATTAGTGCT ACCATTATTA TTGGTTTACA
99551 AGCCAAAAC AGTTTAGATT TCCCCACTTT TATCAATCTC TTGGTTCACC
99601 ACTTCTTCT CCACCCCATG TCTTCCTTCT GTGGTCATTT TTTTCTCTCC
99651 CCAAAACAAA TCCTTAAGTT ACGTGAATGA TAAACACTCA GTTCTTTTGT
99701 TTGTTTGTTT GAAAATGTTT TTATTTTTTC CTCATCCTTT TATAATAGTT
99751 TAGCTACTAT TTCAGCTAAA AATGTATTAT TATTAGCTA TTATTAAAAA
99801 TGAAATTCCA GATTGACAGA TTTTATCTG ACATTTTGAA AATGTTATCT
99851 CACTGTCTTC TGGATTCTGT TATTGATGTT AAGTCACTTT CCATGTAACA
99901 GACATTCTTA TTAAGGTAAT GTCTTTTCTT TCAGTTGATT CTCAACATCT
99951 TTGTCCTTGG TGTTTTCCAA TATTACAGTG TTATGTCTAC TTGTGGATTT
100001 TTGTTTTAAA TTCTGCTTGG GATTTCTTTT GCTTCTGAGC TTGTGAATTC
100051 ATGAAAACCT CTAAATCTG AAAATACCTC GTCATTCTCT CTTTGAATTT
100101 TGCTTCTCCC CTATTCTCCT TTTACAATGC TTAAAGATGT ATGTTAGACC
100151 ATCACATTCT GTTCTTCATT GCTATGCACT CCTTCTAGGA ATCCATTTAT
100201 ATATATATTA GAACTTTAAG CCTGTATTTT AGATGTCTCT TATACTCTTT
100251 TCTATGTTTT CTTTTCTTTT CTTCCTTTCT TTTTTTTTTT TTTTTTTGAG
100301 ACAGAGTCTC ACTCTTGTTG CCCAGGCTGG AGTACAGTGG CGCGATCCTG
100351 GCTCACTGCA ACCTCCGCCT CCCATGTTCA AGCAATTATC CTGCCTCAGC
100401 CTCCTGAGTA GCTGGAAC TAAGTGCCTG CCACCATGCC CGGCTAATTT
100451 TTGTACTTTT AGCAGAGATG GGCTTCATCA TGTTGGCCAT GCTGGTCTTG
100501 AACTCCTGAC CTCAGGTGAT CCACCCACCT TGGCCTCCCA AAGAGCTGGG
100551 ATTATAGGCG TGAGCCACTG TGCCTAGCCT TTTCTATGTT TTTAATCTTT
100601 TTTTCTTTT GCACCTCAGT TGAATACTT TTCACTAACC ATTATPCAG
100651 TTTCTAAATC CTCTCTTCTG CTGTGTCTAA TTTGATTTCA AACATATGCA
100701 CTAAATCTT AATTTAGTA AAATTTTGTT TCAGTTTATG AATTTCCATT
100751 TGATTCCTAG AAAATATATA TATGCACTCC TAGTGCATAT AAAAATATAT

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100801	ATATATTTTC	TATATAGAAA	ATATATAGAA	TCTAGCTCTC	TATTGAAATT
100851	CTCCATTGTG	TCAGTTATTT	TCTTGAGCAA	TAATCACAGT	TATTTTCAAA
100901	TCCTTGTCCA	ATAATTTCAA	TAGGTGGATC	ACTTGTGFAT	TTATTTCTAT
100951	ATCTCTTTTT	TTCTTTTGGT	TTTTAATCAT	TTGATCTTAT	CTTTTGGTAT
101001	GCCTGGTAGT	TTTTGAGTGA	ATGCTGAACA	ATATATGTGA	AATATTTGAGA
101051	GATGTTAGAT	GATATTACTT	TTCTCTGCCT	GACAGTTATA	TTTAGGGCAG
101101	ATCACCTTGA	TCTAATTAGG	AACTGAAATA	GTTTAACTGT	AGGCTGTAGG
101151	CTTTTGGAGG	GTTGGTCTAT	TTTCAGTTTG	CCTTTATTTT	TATGAAGAAG
101201	TTTTTCAGAG	CTTTCAGCTG	AAGGGTTTAG	TTTTTTACTA	AGATACCTCT
101251	TCCTTTGTGG	ACCTGAAAT	CCAAGTTTAT	TGAATCTACT	CAAAGCTCTG
101301	ATTAAAAATT	TAAAAAAGC	TTTATTTTTT	AAAGCAGTTT	TAGGTTTACA
101351	GCAAAATTGA	GTGGAAGGTA	CAGAGATTTC	CCCTATAACC	CCTGCTCCCA
101401	CACATGCATT	GCCTCCCCTG	TATACAGCAT	TGCTACCAGT	CATACATTTG
101451	TTATAACAGA	TGAACCTACA	TTGACAGATC	ATTATCATCA	AAGTCTATAG
101501	TTTACATTAG	GGTTCATTCT	TAGTGCTATA	CATTCTTTGA	GTTTGGGCAC
101551	ATGTATGACA	TGTACCCATC	ATTTTAGTAT	CATAAAGTTG	TTGCATGGCC
101601	CTAAAAATTC	TCTGTGCTCT	CCTTACTCAT	TCTTCCCTCC	CTCTTAAACC
101651	CTGGCAACCA	CTTATCTTTT	TGTTGTCTCC	ATAGTTTAAAC	ATTTTCCAGA
101701	TTGTACATATA	GCTGGAATCA	TATATAGATT	TCTCAGGCTG	ACTCTTTTCA
101751	CTTCACTAGTA	TGCATTTAAG	TTTCTTCCAT	GTCCTTTTCAT	GCCTTAATAG
101801	CTCATATCTT	CTTAGCACTA	AATAATATT	TATTGTGTGA	ATGTACCATG
101851	GTTTATTTAA	CCATTCCGCT	ACTGAAGGAC	ACTTTTGTTG	CTTTCAAGTT
101901	TTGGCAATTA	TGAATAAAGC	TGCTATAAAC	ACCATTGTGC	AGGTTTTTGT
101951	GTGGACATGA	TTTTTAATTC	ATTTGAATAA	ATACCAAGGA	ACATGATTGC
102001	TGGATTATGT	GATAAGCAT	TGTATCATTT	TGTAAGAAGC	TGCCAAACTG
102051	TCTTCCAAAG	TGGCTGAACC	ATTTTGTATT	CCCACTAGCA	GCGAATGAGA
102101	GTTTCTGTTA	CTCCACATCC	TTGTGAGCAT	TTGGTGTGTG	CAGTGTCTCG
102151	ATTTGGGCCG	TTCTAATAGG	TGTGTAGTGG	TACTTCATTG	TGTTTTTAAT
102201	TTTCATTTCT	CTGATGACAT	ATGATGTAAA	ACATCTTTTC	AGGTTTTATTT
102251	GCCTTTTGTG	TATCATCTTT	GGTTAGGTGT	CTGTTAAGGT	CTTTGGCCCA
102301	TTTTAAAACC	AGATTATTTT	CTTATTGTTG	AGTTTTAATA	GTCTTTTGTG
102351	TATTTTGGAT	AACAGTCTTT	TTTTTTTTTT	TTTTTTTGGAG	ACTGAGTCTC
102401	GCTCTGTCAC	GCAGGCGTGT	CAGAGTCGCA	ATCTTGGCTC	ACTGCAAGCT
102451	CCACCTCCCA	GGTTCATGCC	ATTCTCCCGC	CTCAGCCTCC	CAAGTAGCTG
102501	GGACTACAGG	TGCCCAACCAC	CACGCTGGC	TAATTTTATT	TTTGTATTTT
102551	TAGTAGAGAT	GGGGTTTTCAC	CACGTTAGCC	AGGATGGTCT	CGATCTCCTG
102601	ACCTTGTGAT	CTGCCCTGCC	CAGCCTCCCA	AAGTGTCTGG	ATTACAGGCT
102651	TGAGCCACTG	CACCCGGCCA	ACAGTCTATC	AGATACGTCT	TTTGCAATAA
102701	TTTTCTCCCA	GTCTGTGGCT	TATCTTTTTA	TTCTTGACA	GTGTTTTCTT
102751	ACAGAGCAGA	AATTTTTTAT	TTTAATAAAG	TCTAGCTTCT	CAATTCTTTC
102801	ATGGATTGTG	ACTTTGGTGT	TATATTTAAA	AAGTTATCAC	CAAACCTAAA
102851	ATCATCTAGA	TTTTATCACA	TATTATTTTC	TAGCAGTTT	ATAGTTTTAT
102901	ATTTTTTAGG	CCTATGATTT	ATTTTGTAGT	TAATTTTTC	AAAGGCTGTA
102951	AGGTCTGTGT	CTAGATTTCAT	CTATTGTATA	TGAATGCCCA	GTGTTCCAG
103001	CACCATTGTG	TGAAACGACT	GTGTTCCATT	GCATTGCCTT	TGCTTCTTTG
103051	TCAAAGATCA	GTTGACTGTA	TTACGCAGT	TTTATTTCTG	GGCTCTCTAT
103101	TCTGTTTTAT	TGATTTTTTT	TCTCTCCAAT	ACTGTACTGT	CTTAATTACT
103151	GTACTTTTATA	GAAAGTCTTG	ACATCAGGTA	GTATCAGTCC	TCCAACATTG
103201	TTGTTCTCCT	TCAAAAGACC	CAATATTATG	GATCTTTTGC	CTTTCCATAC
103251	AAATTTTAGA	ATCTGTTTAT	CAATGCTTAC	AAAATAACTT	CCTGGGATTT
103301	TGATTGGGGT	TACATTGGAT	CTATTGATCA	ATTTGGAAAG	AATCCATATC
103351	TTGACAATAT	TGAGTCTACC	TATCCATGAA	CATGGATTAT	TTTTCCATTT
103401	ATTTAGTTCT	TCTTTGATTT	TTTTTCATTA	CAGTTGTGTA	GC'TTCCCTCA
103451	TATAGATCTT	GTACATATTT	TATTAGATTT	ATACCTAAGT	GTTTCATTTT
103501	AGGGGTACTA	ATGTAAATAT	AGTTTGTAT	AAATGTCAA	TTCTACTTGT
103551	TCATTGTCTG	TATATAGGAA	AGCAATTGAT	TTTTGTGTAT	CAACCTTGTA
103601	TTCTGCAACA	TTGCAGAATT	AATTACTTGT	TAATTCAGG	AGGTTTTTTT
103651	AATTGATTCT	TTTGGATTTT	CTACTTAGCT	GATCATGTCA	TCTGTAAACA
103701	GAGAGTTTGT	TTTTTCCTTT	CCCATCTCTA	TTCTTTTAC	ACTTCTTTT
103751	CTGTTTTTAC	TTAATTTGGT	AGGACTTTCA	GTATAATGTT	GAAAAATAAT
103801	GATTAGAGGG	GACATTTTTT	CCTTGTTCCT	GATATCAGCA	GAAAAACTTC
103851	AGGGTTCTCA	TTGTAAAGTG	TGATGTTAGC	TGTAGGTTTG	TTATAAATAT
103901	TCTGTTTCT	AGTTTATCAG	AGTTATTGTC	ATGAATGGGT	ATTGGATTTT

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103951 GTCAATTGCT TTTTCTGCAT CTATTGATTT TTTTCATGTGA TTTTCTTCT
104001 TTATTCTGTT GATGTGATGG ATACATTAAT TGACTTTCAA GTGTTAAAGC
104051 AGCCTTGCAT ACCTAGTATA AATCCCACTT GGTGTGGTG TATAATTCTC
104101 CTGACACAAT GTTGGATATA TATATGTATA TTTTGGAC AACATCTCGC
104151 TCTGTCACCC AGGCTGGAGT GCAGTGGGT GATCTCAGCT CACTGCTACC
104201 TCTGTCTCCC GGGTTCAAGC GATTCTCTG CCACAGCCTC ACAAGTAGCT
104251 GGGATTACAG GCCCCTGCCA CCATGCCAG CTAACTTTG TATTTTGTAGT
104301 AGAGATGGAG TTTACCCGTG TTGGCCAGGC TGGTGTGAA CTCCTGACCC
104351 CAGGTGATCC ACCCACCTCG GCTTCCCAA GTGCTTGGAC CACAGGAATG
104401 AGCTGCCACG CCTGGCCTAC AATGTTGGAT TTGATTGCT AATATTTAG
104451 TGAGGATTTT TTCATCTACA TTTATCAGAG ATACTGGTTT TTAGTTTTCT
104501 TTTCTTGTA TGTCTTTGTT TGGTTTTAAT GTTAGGATGA TGCTGACATC
104551 TTTAAATGAG TTAGGGAGTA TTTCTCTGC TTTTATTTT TGAAGAGAT
104601 TATAGATATT TGGTGCAATT TCTTCCTTAA ATATTGGTA GAATTCGCCA
104651 GTGAACCCAT CTGGGCCAG TGTTTTTTAT TTGGAACTT ACTAATTATT
104701 GATTGAATGT TTTACTGAA GATGGCCTA TTTGATGTC TACTTCTGT
104751 ATGATTTTTG GCAGCTTGTG TCTTTGAAGG AATTGGTTCT TTTAATCTAG
104801 GTTATCAAAT TTGTGGTTAT AGATTGTTAA TAGTATTGCT TTTTATTCT
104851 TTTAATGTCC ACGGAATCTG TAGTGACGCC CTCTCTTCA TTTTGTATT
104901 TAATAGTTTT TGTCTTCTAT CTTTTTATTT TACTTAGGCT GGCTAGAGGC
104951 TAGTTGATT TATTGATCTT TTCAAAGAAC CAGTTTTATT TTTGTGATA
105001 TTCTCTATTG GTTCTTGT TTCAATTTA TTATTCTGC TGTAATATT
105051 CTCCTTACTT TTGGTTAAT TTGCTTTCT TTTCTAGTT TCTATGGTGG
105101 AAGCTTAGAT AACTGATTTT AGATCTTCT TTTTCTAA TATATATATT
105151 CAGTGCTGTA AATTTCCCTC TAAGCACTGC TTTTGTATA TCACACAAAT
105201 TTTGATAAAG TGTGTTTTCA TTTTCATTTA GTTCAAAATA TTTTAAATTT
105251 TCTCTTGAGA TTTCTTCTTC ATTGTTTAGA AGTGTGTGGT TTTATATTCA
105301 CATATTTTGG GATTTTCCAG TTATCTTCT GTTATTAATT TCTAGTTTGA
105351 TTCCATTTTG ATGTGAGAGC AGAAATGGTA TGATTTCTCT TCTTTCAAAT
105401 TTGTTAATGT TTTATGGCCT AGAATGACTT TCAGTTTCTT TTTGAATAAT
105451 TCGCAGGGAT TTTTTCAT TTTTATGTGA GCTCAACTGT GCATATATGA
105501 AGATATTTGT ATACTTTATT CGGCATTTTA GTTTTTTTAT GCAAAGATTT
105551 TCAAGTTTTC TAGTCTTTA TAATTCCATA AAATAAAGGT CTTAACTGAC
105601 ATAATTTACA TTAAGTACTT ATAGTCAGAT TTAATAAATG TTACCTATTC
105651 TTAAATATCA TCAACAACGT TATTATTTT ACAAGTATAT AAAACTTGA
105701 CATTTGGGT TAATAGATT ACAAACTGGT CTATCAATTG AGGATATGGT
105751 TACTGGATAT AGTACTATGT AGATTATGCT AAAAAACAT AATAAAATAT
105801 AGCCTATTGA AATAGTTGAA AGCATATCAC CGTCTCCAA ACTACATGTT
105851 CCCCACCTT TAAATCTTT ATTTTAAAC TTTTGTTC TCAGGGAAC
105901 TGGAAAGTAT TGTGGCTTTG TAGCTTTTAA ACATTGAAAG ATATATCTAT
105951 GGGAGTATAT ATTTATGTGT AAATCATGTG CAACAACATA TATTATTTAC
106001 ATGGGGATTT AAAAATGTTA TATTCTGCAT GAAGTTGTAT ATCTTTTTTG
106051 CCTTTTGTAG GAGGATACTT CATCGAGACT TAAAGTCAA GAATGTATTT
106101 CTGAAAAATA ATCTCCTTAA AATTGGTAAG ATTTTAAAA GTATGAATTC
106151 CAAAAACGCA GAACAGTATA TTCTAGATAT TATCATATCA AATTGAAGTA
106201 AATGGTACGT GGAAGTATTA GAGTAATCAT TGGTTTGT TTAAATTTCTCA
106251 AATTTTAAAG TACATGTGCT GCTGAAATGA AACTAAAT TCTCAGGTTT
106301 CTAGATGGGC CCAACAAAAC CTAATTGTTT TGTCTCTGAG TATCTGATAT
106351 AAATTGAGGT GTACAAATTT ACCACATATT TGATAGATT TTTCAAATATA
106401 CTTTGAGTTC CCTGTTTCAT GCCAGGCACT TTACAAGTTA TTAGAATCAT
106451 TTTACTGGTT TGATTAGTTA CTACAGGTTT CTATTTTATA TTATTTTCATC
106501 ACAAGCAATA AGTGGTTATA GATAATGAAA ATGTTGATAT AATGGCTTTA
106551 TTAACCTTTA GTTCTTCAGA ACTGTACCTC TCCTCATAAC AGCTACTGGA
106601 TCATCTAATC ATCATATAGG GTGTACTTGG GGAAGGAAGG AAGGAAGGAA
106651 TAAAGTGTG CAACAGTTA GGCAAGTATT AAAAGCTGA TAGATTCAA
106701 TTTTATAGT CATGTTCTA AATAGTCTCA GATCTTTCT TTTAAACGCT
106751 CCATTATTGT AAATTTAAGA ACAAATCTT CTCCCTCAG GTGAAATTGT
106801 ATATCATCTT ATTCAGTTT TCCAAAATCA TTCTGTTTGC CATTATTCAG
106851 ACTTGAAATA GCTTTTATA TCAAATTGTC TAGTTTCCCA TAATCCAGA
106901 AATAAAGAA TTTAGCTTAC ATAATTCACT TTCCTGGCTC AAAGTCTTCC
106951 TTCTCCTATA AAACCTTATG TTTTAAACT ATTTACCAGC GTTGATAAT
107001 TTAAGATATA TTACTTTCT TTCTGTTAA AATGCTATGA ACCATTGCAT
107051 AATAAATGG TCAAATTAGG CACTCATTCA GTTGTTAATT TCCAGGGCTA

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107101	ATTTTTCGTT	GGCTTAAAGT	ATTCATAAAA	ATTAATTATT	ATTTCAAGGA
107151	GATTTTGGAG	TTTCTCGACT	TCTAATGGGA	TCCTGTGACC	TGGCCACAAC
107201	TTTAACTGGA	ACTCCCCATT	ATATGAGTCC	TGAGGCTCTG	AAACACCAAG
107251	GCTATGACAC	AAAGTCGGAC	ATCTGGTGAG	TGGGCTAGTG	GGCTAGACTC
107301	TTCATCTGCT	TCCTTAAAG	AATGGTACAT	TTTGTCTTTC	AGCTCATTTA
107351	CTTACTGCAT	ACATTCACTT	TATCCCTTTG	ACATGAATAT	TTCTGTGACC
107401	AGAGTAAAG	AAGTCTTTTT	GCATTTAGAA	CTCAATATAT	TTCATTAAAC
107451	TAGTTTCAAA	AATTCTTTTT	ATTCAGTGAT	AATTGGTTGG	TTTTGGATTT
107501	TTGGTTCCTG	AATCACAAGG	GAAAGTTCCT	AATGTACCAT	AAGCATTAAA
107551	TTTTAATACA	TTTCTGTTAA	CCTATTAAAT	AAAGTATTTG	TAACCCTAAG
107601	TACTGTGCTT	ATTCTATTTT	AAGGTTAACT	TCAATCTCTG	TGGGGAATGT
107651	ACAGCTTTTC	TATATTTTTT	TCTTTTTGTT	ACTTTTAAAG	ATTTTACTAA
107701	AGATATTGGC	TTTAAAGGATA	AACTATTTTT	TTTTTTTGA	ATAGGAGTCT
107751	TGCTCTGTTG	CCCAGGCTGG	AGTGCAGTGG	TGTGATCTCA	GCTCACTGCA
107801	ACCTCCACCT	CTTGGGTTCA	AGCGATTCTC	CTGCCTCAGC	CTCCCTAGTA
107851	GCTGGGACTA	CAGGCTCCCA	CCACCACGCC	TGGCTAATTT	TTTGTATTTT
107901	TAGTAGGGAC	GGGTTTCACT	GTGTTAGCCG	GAATGGTCTC	AATCTCCTGA
107951	CCTCATGATC	TGCCTGCCCTC	AGCCTCCCAA	AGTGTCTGGGA	TTACAGGTGT
108001	GAGCCACCGC	GCCGAGACTA	GGATAAACTA	AATTTTAAAA	TTTTCTGGAT
108051	TTCAGTGACA	GATGATCTG	AGATGTCTCA	TTTCTCTGTA	GCTCTTATAT
108101	TAAAGGAATT	TCTCCTTCCT	TGTTATGGAA	CTAAGTGAAG	TCTCACTGCA
108151	GAAGCCATGT	GGAAAATTGT	ATTCAGTATG	TTCTAGTGTA	AGCAATAGAT
108201	CCTATTTCCT	TTCCCTAGAA	GAGGAATCTT	ATTATATACT	TTTCTGCTTG
108251	TTGAGGGTTG	AAAGAACAA	CTAGCTGAGG	GCTTGTTAAT	TAAGTAAATA
108301	ATTACTGTAT	GCAAACTAAC	ATAAAAGATT	CTGAGCTTTC	AAAGACAAGC
108351	AGTGTAAGAG	ATGTGCTTAC	TTCACTCTTC	TAAAGAAAGC	AAAGTAGAAA
108401	ATTACATTTT	CTCTGGTTAG	GGAAAAGTGA	ATCACAACAG	GGGATATTGC
108451	TTAGGATTTT	CACAAGGGTC	ATTATCTGTT	CCTTGTTCTC	GTGCCTACCA
108501	AATGGGAGAG	AACATTGTCA	AGATTAGGTC	TGGGTATGGC	AATTCCCCAT
108551	GAATCCCGTC	CTTTCAAATC	AGTCTTGCAA	TTGTTTCATT	CTAAATTTAT
108601	CACGTGTTTT	TTTCACTATT	GGCTTACTTC	TGCCCTGGAG	GTCTTTTCCA
108651	ATTCACCTAT	CATCTTCTGT	CTTCTTTCCT	TCTAACCCCC	TTTAACTACCA
108701	CATCCAAAG	AAAAAGAAAA	CCCAAACCAA	ATAAAACCAA	ACATCACAAA
108751	GGTATGTATA	GAGGAATAAC	TAATGAGTTC	CTTTAAATTT	TGCTTCATTG
108801	AACATCTACT	ATTTGCCCAA	GACTGTGTAA	CATTCCCTAG	GTATAAAGCA
108851	AAAGTGATAG	GATTCCCTACC	TATCAAGAGA	AATCTTGCTT	CTTTTGGAGT
108901	CCCTTTCTCT	AGTTTGTAGAA	ATCAATTTTG	GGCTTTGCTT	CAGATCGAAT
108951	TTCAATTATA	TACCTATATA	TCTCTTTACA	TTTAATTTTA	AAAATTAATA
109001	TTATGGACAT	TTTAAATAG	ATTCAAATAT	ATATCTTTAT	AGTTTAAGGT
109051	TATATGGTAT	CTCAAGAAGA	TGTTATGTTA	TGCCATCTGA	ATTAGGAGTA
109101	AATTAATTTA	CAAAGCCTAT	CATTTAAGTT	TTTGAATTA	TATGTAACAA
109151	ACCTGGCTCC	TTTTTGACAGG	CAGGTATATC	TGCTTTCCAG	ATCAGATGAA
109201	TATCTCCTAT	AAAAACAAAG	CAACAGAAC	CACAGAGAGG	AAAGGAAGG
109251	ATAGAGTAGT	TGTCTCAGTT	ATGTCAAGTT	TATTTCTTTT	TAAAAAATTG
109301	CTCCTACTAT	TACATGGAGT	ATTATGGGAT	ATCAGATAGT	ATTGCTATAC
109351	TTTAGGATTA	CAAACTGTC	TGACTCAAGA	AAAAAAAAC	AGCCAAAACC
109401	TCCAAAATAT	ACAAAGCAGA	AGGATTTTAA	TGTGTTTCTC	TGAGCATTAG
109451	GTTAGCTCTC	CTTGACAGAG	TTAACTTTTC	AGCAAGTACA	AGCTTAGGAT
109501	TCATCATCAT	CCTGACCCCTA	AATAACCACC	TTATTATGGA	TTTAGTAATT
109551	ACCTTGGTTG	TATCAGAAAT	AAAGTGGGCT	TATCTGGTAA	TGAAATTTCT
109601	ATTGCCAAAC	CTAAAATGGA	ATAATAAGA	GAGAACTATT	AATTATAGTG
109651	TCAGATACAT	ACGTGTGATG	AGTAATCTTT	AGTAGACACT	CTGAGAAAAA
109701	TTAGATTGAA	TGAGGTTGAG	AACCTGTCTC	TGAATCTCAG	TGTGTAGCAT
109751	CTGTTTATTG	TGGAATTTTT	TTTTTAGGAT	AGAAACACTT	ATGAATAATT
109801	GACAGGTGTT	TTGTTTTAGC	ACTAATAGAT	GTACATATTA	TATTTATAAT
109851	GCTTAAAGTT	GAATTTTGCTT	AAAGGAGAAT	TGGCCATAATA	CTAGTTATGT
109901	TTTCATCTGT	AATGTTTGCC	CATATGTAA	ATTATCTTCA	TTCTGCAATC
109951	TGTTAAACTT	TTCTGGCTTC	ATTTATTTTAT	AGCATTCACT	ACAGGAAGTC
110001	CTTCTCCTAA	AAGTGGGTTA	GGTTCCAAAA	GTTTATAAAG	TTATTTGCAA
110051	AGTTAGGATA	ATTAGGTTTTA	CTGAGAACAA	TGCTTTGATC	ACAGCTGATT
110101	TGTATAAGCA	ATTGTTGAAT	ACTCTTATAC	CCACAGGAGA	AATACAAAAA
110151	TGAGTTGGGT	TTCTATGGCCA	GCTCATTAATA	TTGATTTAAA	CTATGAATAT
110201	TTAGAGTATG	TTATTTTGGT	AGGAGAAACA	AATAAAGGAC	AATATTATTT

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110251 GAATAATGGT ACTGCAATTA GACAGAAAGA AAACAATATT TCACTGTTGG
110301 TCTTATTTAC TTTGTTGTGA GAACCAACC AGATGGCTCT TTGATCTTGT
110351 AGCCCCCATA TTCTTTGGGT GATATAAGTA AAGGGAACAG TGGTGGGAAT
110401 AGTGGCAACA TCTAGAGTGT ACTGTGAAGC TCTCAGGGTC TTTCTCAGAA
110451 ATTTGGTGTG GAGGTTAGTT GGGTGGGGGA CAGAGAAGGA ATCTAGTTCA
110501 TGCCCAACAT TGGACTCAGG CTTTCATGAT CTTGGGGCAG AAGTGTTCATG
110551 CAAGGATTAG CTGTGAGTAG AAGAAAACAG AGAAGAACCA GCACCTGCCT
110601 GACCTGCCAG GACCAAGAAA GTATCCTCAT GGAAGAACAT TTCCAGGGTG
110651 GACAGGGAAG GGATGGGGAC AACAGCCTAT TTTTTTGAGA AATACAGTCC
110701 AACTTGCCAG CATTTCCTGT AACTAAAATG AGGCCATCTA GTAGCTGGCA
110751 GCCAGCAGCT TCATCAGCTC CCTCCTGGTG AAGAAAGCTC TGGAGCAAAA
110801 GAATTAATTT TTTTCACTTG CCCATGGCCT GGGAACTTCT TATGTGGGTT
110851 CAGAAGAAAG CTATTGACCA GGGAGTGCTT TCCTAGGGAA TAAGCACTGG
110901 TGTCAGTATT TTCATCCAAT GGAAGCTTAG GTGAGAAAAC ATTTCACTCA
110951 GGTGAAGTAT ATTTGAACAT TAATATATTT TTTTCAATGA CTAGCATGAA
111001 ATGGTTGATA CAAACTCTGC AGATAGTACT AATTTGGCCT GATGAATTTT
111051 AAAAGGGTTA ATAACATAGC TAATAAATCC TTGTTAAATT GATATTGATG
111101 GAGGAGGGGC AGTGCAAGAT GGCTGAATAA GGGCCCCACT GATCATGCCC
111151 CTCCCAGGA ACACCAGGTT TTAACAAAAT TTAATTTTTT AATTCTTGTG
111201 GGTACACAGT AGATGTATAT ATTTATGGGG TACATGAAAT ATTTTGATAT
111251 AGGCATGCAA TTCATAATAA TCACATCATG GAAAATGTGG TATCCTTCTC
111301 CTCCAGCATT TATCCTTTGA GGAAGACCAA GTTTTACAAC TGTCTACACA
111351 AAGGAACACC GGTCAATAAGA ACCAAAAACC AGGTACCAGC TCAGCCACAG
111401 TGGTGTAGAG GACCAAGTGA GATCTTGGAG TCCCTGATTT CATGTCTTAG
111451 CTCTTGGATA GCATTGCTGG ACCTTCCCTG GGCCAGAGGG GAACCCACTG
111501 CCCTGAGGGG TGAGTTCCAG GCCTGGTGGT ATTCACCACA AGCTGAAGGA
111551 AGAGTCCCTA GGCTTAATT GAGCATCAGT GGTAGCCTGG GAATGTTCCC
111601 TGTAGGCCTG TAGTGGTGGT GGCCATGGGG TGAAGCTCCT CTGCACATAG
111651 GAAGGGGAGG AAAGAGTGGG AAGGACTGTG TCATGTGACT TGAGTGCCAG
111701 CACAGGCCACA GGTAGAATAT AACACCATGC AGATTTCTAA GGTTTTAAAC
111751 TCTAGTCCCT GGCTCTGGGA GAGCATCTCT GGACCTGCCC AGGACCTAGG
111801 AAACCTCACAC CTCTCAAGGG AAGGACACAA ACCTGGCTGG CTTTCATCATC
111851 TGCTGCTTGT AGAGCTCCAG GCCTTGAGT GAACATAGGT AATAGGAAGT
111901 AGTTATGGGG GCCTTGGACG AGACCTGGTG CCACTACAGT CCCAGTAGTG
111951 GTGACCAAAG GAGTGCTTGT GTCACCCAC CCCCAGTTCC AGGCAACTTA
112001 ATACAGAGAC CCCATTTGTT TGGGAGAAAG TAAGGGAAGA GAACAAGAGT
112051 CTTTGCCCTG TAATCCAAAG AATTATTCTG CATGTTATCT AAGACCACCA
112101 AGGTGGTACC TCTACAAGTC TGTAAGAACT ACAGTGTTAC TGGGCTTGGG
112151 GTGGCCCCAA TGCAGATGTA GCTTAGATCA CAACACCCAA GTATTTTCAA
112201 ATACCTGGAA AGCCTTCCCA AGGAGGATGG GTACAAACAA GCCCAGATGG
112251 TGAATACTAC AATAAATACC TAACTCTTCA ATGCCCAGGC ACTGATGAAC
112301 ATTCACAAGT GTCAGGACCA ACCAGGAAAA CATGACTTTA CCTAACAAAC
112351 TAAATAAGGC ACTAGGGACC AATCCTGGAG AAACAGAGAA ATGCAACCTT
112401 TCAGACAGAG AATTCATAAT AGCTGTTTTG AAGAAACTCA ACAAATTTCA
112451 AGATAACACA GAGAAGGAAT TCAGATTTAT ATCAGATAAA TTTAACAAAG
112501 AGAGTGAAAT AATTAAAAAG AATCAAGCAG AAGTTCTGGA CTTGAGAAAT
112551 CCAATTGACT GGAGATGCA TCAGAGTCTC TTAATAGCAG AATTGATCAA
112601 GTAGAAGAAA GAATTAGTAA GCTCGAAGAC AGGATATTGG AAAATACACA
112651 GTCAGAGGAG ATAAGAGAAA AAAGAAAAAA AAAAAAAGAA GAATGGAGCA
112701 CACCTCCAAG ATCTGGAAAG TAGCCTCAA AGGCAAGTCT AAGAGTTATT
112751 GGCCTTAAAG AGGAAGTGGA GAAACAAATA GGAGTAAGAA GTTTATTAAA
112801 AGGAATAGTA ACAGAGAACT TCCTGAATCT AGAAAAAGAT ATTAATATAT
112851 AAGTATAAGA AGGTTATAGA AGACCAACA GATTTAACTC ATTAATAAAT
112901 GATGTGGCAA ATTCATATAC TCCTGTTTTG TTAATTCTGT GGGAGAGCAG
112951 GAGAAGGGAG GGTAGTTCA GGATTTCTT TCATTCCTCT TACTAAAGAA
113001 AAATTTAGTT GTGTTAACAA GTTCTTATTT CAAACACGCA AATTTATTG
113051 GCAAGTATTA AATCTTATCA CCACACTTCA TTGTTTACAT TGCTTTTTAA
113101 ATTTGTTTTA AGTCTTGGAA TCCCTAGTTG AGACTAGTCT TTCTATAGGA
113151 AGTCAAATTG GGATTGAATC TTTCAAATTC CAGGATTGGG CACTTTGTAG
113201 CGAGGAGCAT CAGGGGCGAG GAAAGAGTGT GGCCATGAGA GCCTGGGCAG
113251 GGCCTGGGTT TCTGATGAAG GAGACCCCTT TGGATAGGAG CATAAGGTAA
113301 AATGTCCCAT GATCCATAGG GGCATGTGGC AGATTGTATT TTCCAAAAAT
113351 GGCCATCATA ACATATCACT TCTCATGTGT TCTTTTCTCA CATGTTCTTT

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113401 TTATAATGTG ATGTTGACAC ACTCTTACTG AGAGGTGGGG TCTGTGTTCC
113451 CTCACCTTTA ATTTGGGTAA GCCTGTGATT ATGGCAAAAT TGATGCTATG
113501 TGACTTCTGA ATCTAGGTAA TAAAAGCAAT ATAGATTTTG CTGGTTCTC
113551 TTGAAATTCT TGTTCCTTGA ACCCAACTAC CCTGTTGTGA GGAAGCCTGA
113601 GTGGCACATT GAGAGACCAA CATGGAGAGG GCCACATTGA GAGGAACCAA
113651 GGCTTTTGGT CTTTACTCCC ATTGAGCTTC CAGCTGATAG CCAGCATCAG
113701 TTGGCCAGTG ATGTGCGTGA GCCATTTTGG AAGTGGATCC TTAAGCCTCA
113751 GTTGAGCATC ACCAGCAGAT GCTGTGGGGA GCAGGTTCAA GGCTTCCCTG
113801 TCAATCTCTG ACCAAAAAGA TTCATGATCA AAATGACTGA TTATTGTTGT
113851 TTTAAGGTAC TAAGGTTTGG GGTGGTTTTT TATGCAGCAG TGGTGAAGTG
113901 AGCAGGACTT CATCAGGAGA ACGGCAAGCA GGAGTTGAGA AGTAGCCTCT
113951 AATCTAGGCC TCCATATGAC AATCTGGCAG TGTTTGTTTT CTTTATGTCA
114001 AAAGGCTCAA TAAATTGCTT AAGAGAAAGT GCTTGTGCCA GAAAAGCAAT
114051 CTGGCACTCT ACTTGCTGGT CTGTTTGATG GGTAGAAGCC AAGAAGCTGG
114101 ACCACAGCTG AGAACTTCCA GACCAGCAAC TTTTCCATGT GCCTCAGAAC
114151 TCTTCTTTCA TTCCTCCTGA CTTTGCCTTC TTTCTCCAA CCCCCACCTC
114201 AACGTCACCC TAGCACTGG ACCATCTGAC TCCAGCCTTA TCTTCTATC
114251 ATTCCCATGA TTCAGTGGTA TGCTGGAGCT CATACCAGCT CATAAGACCC
114301 AATTATCCAC ATTTCTTCTC AAGTCAATGT TCACTGATGT CACATTAGTA
114351 ACTTGAAAAC AACCATGGTA TTTATACCAT GGAAATTGT AAATTAGGGC
114401 TTCTCCTCCT ACCTCAGAAA GGCAGTGTAC CAGAATAGCT CATACCTTTA
114451 GCCTTACTCC TTCTTGCCCC TAGGGTGGTA TTTGCAGAAG GGAAGAGACG
114501 TGAAGACATG AAGGTTTCTG TCCTCAAAGG AATGATAAAC ATATAAACAA
114551 ACTGCTGTAT ACTGTTATAG TGCAATACAT ATTCTGATGT ATAAAGCAGA
114601 GAGTGATTGA CAGCTGGGGA TAGGGGTAGA GAGCATCAGC TACAGTCTTA
114651 GAGAGTGCAT GATTCTTGCT CAGGATGGGG AAAAATGGAG AAGAGTTTGG
114701 CAAATGTATT TCAGGTAAAA AGACCCAATG TCAATGACCA AAAGTGAGGG
114751 GTGCCCCTG GGAGAAGAGG GAGGGAAGTG TGCAGGGAAA GAAAGTGGCT
114801 GGCCAGAAGA ACCATTTGGC CAGGGCCTTC TCATTATGA AGGGCCTCAA
114851 ATGTATGTGT TTAATAATTAT TTCCAAATGA GGTGGTATAT GTTAAAGGTG
114901 TTTATTTAAT GCCAAAATTT CAGATATATC ACCAATTTTG AAACCTTTAT
114951 TGGGGTATTT ATTTGTTTCT TTAATAATATA TACTGGGAAT TTAATAATAG
115001 TTACAAATGA CTTGGACCTT CTCTGACTAC TGAAAGACTC TGAGAAATGG
115051 TATGAAAGGA CATGGAAGCA TGAGAAAGCT CAGGTTCTTC TGATTAGCTG
115101 TAGGACAAAG TGTGTATGTG GCAAGGAGGG GAGTGTGGT ACATTTGACT
115151 GAAGGGCGGG CAGGGGTCAG ATGGTGAATG ACCCATGTAA TTATGAAAAG
115201 AAGCTTGTAC TTTTCTTCTC TGGAGTATGA GAAACTGCTA AAGGCTGTTA
115251 AGCAGAGGAA TGATGTATCA GTCAGCTTTG CTGCGGTAAC AAAGAAGTCC
115301 AAAAAATCTC AGGTACTTCA TATATTGATT CTTTGCCTTA CCTGAGGACT
115351 ACAGATTAAAC TGAGTTTCTG CTCCAGTTGC AGTCCTGCTC TGATCCATAG
115401 TTTTCCAGT TCCAGGACAC AGGTTATGCT CTGAAAAACA TGGACAATAC
115451 AGTGCTAGAG AGAAAGAGCA TGTGTCTGCC TTTAGATCCT CCACTCAGTT
115501 AGTTGTGACA CACTCATAT CCACCATAT TCCACTGGCT GAAGCAAGTC
115551 CTGTGCCAAT TCCCCTGTG GGGGAAGGGA AAAAGAATAT TCGCAAAGAG
115601 CAATCAATCT ACCAGGGGAG TCAGTCTTAT TATGATGCCA GCTGGGCTAT
115651 AGAAAGTGA CAGGAGGGAG AAGATTGGTG GAGACTAAAG GAGGGAGATA
115701 GGTAGGTCTT CTATTAACCT GGCACATTCT ACTACTTTTG ATGTTCTGTC
115751 CATCATAAAA GAGCCTCTGG AGATCATATA AAATTATTAA AGCAGTTGGA
115801 ACACAGCCAT TCAAGTAAAA TGTGAAGCAG TTCATGCCCC ATAAGCAGTG
115851 TCGGCTGTTG CCATATTGCG TCTTAATAGA GTGGCTGAGT AAATAACAGT
115901 TGGTTATGTA AGGATGCTTT GATCATTGTT TCCATTGCCA ACCTACCTCC
115951 CTACCCCAAC TCCAAACATC CTTTCCTAAG CTGTATGGTT TGCATAAAAT
116001 CTATAACTGT GACCTTAAGA ATAGCTAAAG ATGCAAAGAA GCTTTGACTT
116051 TTAGCCAGTT TTTCTCTTCT GCCACCCTGT GGTCTCCTTG TTCTCCTCAC
116101 TCACTGGTTT TGATCTTTT CCTCCATTAG CCACATTCTT ATGGTATGGA
116151 GGACATGGGA CCACTACAGA GGAGAGAGCT TTGATAATCT TCCTTGAAAC
116201 ATTGTAAAGC TCAGTTGTGG AGGAAAGTAA TTAGAAAGAG CTGGTATGAA
116251 CAGGAGAAAA TTCACCCAAA CCTTGTTTTG TCAATAATTT TATGGGTCGT
116301 ATTCCCTAAA ATGTGACAGT ATATTAGAAT ATGATAAGAG AAATGAGTTC
116351 ACTTTTCTTT TTAATATATC TTTAAAAAAT TCAGCTCATC AGTCACACTA
116401 GCCACATTTT CAGTGTCTAA AAGCCAAATG TGGCTGGTGG CTATTGTTTG
116451 TAGAAATAAG AACATTTCTA TGAGTTCAAT AAATTCCTTT GGACAGCCCT
116501 GAACATTTTT GCTCCAGCTG CTTTAAGCCT TATCTTGGGA TTTCTTGCAT

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116551 TCACCCTGCT TTTGGATTGG GCAGAACCCC TGCTGGGTTT AATTGCTATG
116601 CTTAGATTGG TCCACTTTAG ATAGTTTGAG GTTCTTCTGT TCTCATGTCC
116651 CTTGATCACT CCATTGCCTC CCTCTGCTTC TTCTCACACA GATGCTGATA
116701 CTATGCCAGT CAAGTAGCTG TGTGGTTTGT GTTCCTTCAC TTGCACAGCA
116751 AGGTTCAAGG GGACACCTTA TAACTTGGCT TTATAATAAA TTATTATTAA
116801 ATTATAATAA ATATTATTCA TGAGTTTGA GTTTTGTCT GTAGCTGCTC
116851 TGTTTTCATA TGTGGATTCA AGAAAGATCT AAAAAGTATG CTCCACTGT
116901 ATCTACTGTT TCCCCCAA TGCTCGGAAT CAGCATTTTA ACAAACCCC
116951 TAAGTGATTT ACATATATGT TAAAGTTGG GAAACACTGA TAGAGGTTTT
117001 GAGATAAGGT AGGTCATTCA TAAAAAATG CTATATAATA TTGTTCCCTTA
117051 AGTACTATTA TCTCAAGCAG CCAATGTTT TTCATTATAT TTATTTTCAT
117101 TTCATTATAT TTAGACTGAA TTTAGGTAA TACTCAATTC TACCTAAGTA
117151 AAGACTTTCA TTTAGGGTGA TACACACTAA AGCAAAACCC ACTACTCTTT
117201 TATTACATTT CCATTACTGT TTCCATAGAT TGAAGTGAAT CCTCTTTTCT
117251 AGATGAATAT ATCAGGATGC TCTTCAATTA CATCAAAATA AAACATTATC
117301 TAGAAGATCA ACAAACCTC CTAACCAACT AGAGTCATGC ATTGCTCTGG
117351 GGCAGGCATC TGTTTGCAGA GTCTGGCAGA TTTTGAAGGG TAAATTTAGT
117401 TACCTTAAGA CAAGCAAAGT CTGAGTTACA TTTGTGATTT ATTATCAATC
117451 AACCTGTGCT TCAGAAATTT TCTCAGTAGT TCCGGACAAG TTGTTCAATT
117501 TGGACAGATG GCAAGTTTAT GGAGTTCAGG TGTAATTTGC TTCACAGACA
117551 CCTGATCCCA GCCTTCTTTT TCATTGCTTG TATTCATACT CCCTCAGGGA
117601 TTTATTTGCT TATCTCTTCA CAGTTGTCTG TATTTTGAA AAAGAAAGAA
117651 ATGCAAATCA TAGACTTCTA AGTAAATAC ACATCTCACT TGTTTATTTT
117701 AGCTCTCCCC CACCCCAAT CTGCTTTTGT ATCAGCAGAT TTAAGACCTG
117751 GGAGTCAAAT AAGGGAAAAT TATTTTAAAA GGATGGAAGT GAAGAGTTTT
117801 AGATGATTCC TATATGGAAA TGTCTGGTTG GAACTAGAA AAAAGAAACA
117851 CTGTACATA GAAATATAGT CACCATATGT ATTTTGGTTA CCTACCGTAT
117901 GTATTTAACA AAACCTCTAA GTGATTTGCA TGCATGTTAA AGTTTGGGAA
117951 AACTGACAG TGGTTCTGAG ATATGGTAGG TAACCAAACA TCTTTTACCT
118001 TTGAATATCT AGGTAGTTTC TGTAATCAGA TTGTCCAAGT TTCAGTTACT
118051 GGCGCCCAT TCCAGGTAGG GCATGGGAC CACTATAGCA GGTCCGTTTC
118101 CACAAGTTAC TGGCTGATAA ATGAAGTCTT CTCTATGTGC TAGAGTGCAA
118151 GCAAATACTA GTCATCAAAG TGAAACAGGT AATTGCACTG CATACTACAG
118201 TGTAGCTGAG AGGATTTCCA AAACAGAGAG TACTGTAGTC TTATATGAGA
118251 ATTAATTGAT TACTAAGTTA GGCTATGAAT CTAATTGTTT CATAGTTTCT
118301 TTAGCCAGAT AATTGCATAT CTTTTTATT TTTATTTATT TTTAGAGATG
118351 GTCTCACTCT TTGCTTAGG CTGGAGTGCA GTTGTACAAT CATAGCTCAC
118401 TGTAACCTCA AACTCCTGAG CTCAAGTGAT CCTCCCACTC CAGCCTCTGG
118451 AGTAGCTAGG AATACAGGTG TGGGCCACCA TGCCAGTTA ATATATTTTT
118501 ATTTTTTGTA GAGATGCAGT CTGCTATGT TGCCAGGCT GGTCTTAAAC
118551 TCCTGGCCTC AACCATTGTC CCACCATAGC CTCCAAGTC ACTGAGATTA
118601 CAGGTGTGAG CCACTGTGCC TGGCCTACCA CATCTTTTAA TAACCTAAT
118651 AAATTCATCA AAGTAGATT ATATCTCCAT CAAACCAGAA TGGTGATCAA
118701 TTCACGTGTA ATAGACCACT AAGCCCTCTT TCCTTCCAAG CAATGAAAAG
118751 ACAAAGGCCA AACTTGTCTG CCTTCTTTT TCCATAGAAG GTCTCATAGT
118801 CTGTGTGCCC TATATTTGCC GTGGTGTGAC GCCCTGCATA GCTTGTGTGC
118851 TAAGGCCCCA GTGATTTTTA AAAGTGAATT AAGGTTCTAT ATAGAACCTG
118901 AAATTACCTT GGGAAATCAG CCCCTGCTTA AAAGGCTCTG TCAGGGCTAG
118951 CCCTGATTTT CAACTCAAGA GAGACTTTCG TGATCCAAAA TGCTCTGATT
119001 GGTGCAAGAT CCAGAGGCAG GATAGCATAG AGAGTCTGTG TCTCTAGAGC
119051 CAGATAGCCT GGGCTACAAT CCCAGCTTTA TGACCTACTC AGTATGGAAC
119101 CTTGAACAAT TTACCTAATC TTATGGTTTT CTCATCTGAA AAATGGGAAT
119151 AATAATAGTT CCTACCTCAT TAGGATTGTT GTGAGTGTAA GTTAATGAGT
119201 TAAAATATGA AAGGAACATA GAAGAGGGCC TGGCTCATAG TAAACACTAT
119251 TAACATTCCA GCTATCATT TCATTATTAT TATTATAATT ATCATTATTG
119301 TTGTTACCAT TTGTGTTATT GATGGAGACA ATCTAATAGC TGCTTCCAAG
119351 ACACTTTAAA ATGTTCTGGA TCAGGGGTTG TTGCTCCCAA GGGTTGTTGT
119401 TACAGCCCTT CCGATATGCC CAGGCCAGGA GAGGTTGTCT AGCTTGTCTT
119451 GTTTCTAATC TTGTCTCAA GGAGACCCTA AGCCTATGTG GGGTGAGCAT
119501 AAATCATCAG AACAGAGTGT GTAGGTGCTG AGTGATTGCT AGCCTTCTGT
119551 TACTTGGACT TGCAAATTTG ATTTCTTTT TTCAGTTTTT AGATTATTAT
119601 GTGTGTGTTA GGCTACATA CAGAATGTGA TCAATGTAAC TTTTAAAAAG
119651 AGAAGTTTTA AAAAGTATTG GATGAGAACT AATACCAATA CCAACATGAG

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119701 CTGATCTGAC ATGGTACCTT TCTGGGCAAA TTA CTTCCTC TCTCTGAGCT
119751 TTGGTTTTCT CACTGATAAA ACCAGAGTTT GAAATGAGCA AATCTTTATA
119801 GTCTCTTGTA ACTCTACTAT TCTGTGTAAG AAGACATTCT TGAAGTTTGA
119851 ATTATAGATT CTTCTGTGGG GAAATAACCA AGTATATTGT GGCAATTCAT
119901 AACATAAACA TTCTACATTA GTAAAAAGTAT TTGGTTCAAC TTGATGATTA
119951 TATATTTTTTA GTGATATTTA GCCCCCTCTG TTTTCCTAAG GAAACTTTTT
120001 TTTTCATAGT ATAACAAGTA CTGACTTGGT ATTGTCTGTC TTTTCTTTTT
120051 TAGCCATTCT GATGAGTGTG TAGCATGTAG TGGTAGTACA CAGTGGTTGT
120101 AATTCGCACT TTTCTGATGA CTAAAAATGT TGAGCGTCTT CTCATGACTT
120151 TTGGCCATTT AGCGTCCGTT CAAGTCTTTT GCCCATTTTT CTATTGGATT
120201 CTCTCATTTT TCTTATTGCT TTATAGAAGT TTTAATTAAT TTTATCCATA
120251 TTTTGGTAGT CTGATGAATA TTTGAATTGC AAATATCTTA CACTATGTGT
120301 CTTCTTTTTT ACTCTCCTAA TGGTGTCTTT TTATGAGTAG AAGTTTGTA
120351 TTTTAATGAA GTTCATTTTA TAAGTTCATA ACTTTATCAT TAGTGCCTTT
120401 TATGTCTTAA GAAATCTTTG CCTACTCCAA GATCATGAAG ATATTCTCTT
120451 GTTTTCTTTT AAAACTCAGT TTTCTTCTCC TGTTTTCTTT TAAAGCTGAC
120501 TCAATTTTCA TCTGTCTTTC ACAGTAACAT CTATCTATAA TTGATCTGTG
120551 TGTGTATGTG ACTATATGGT ATGAGACAGG AATCCAAGTA CGTTTTTTTT
120601 TATATGAATA TTCAATTGGC CCAGCATAAT TTGTTGAAAA AGCCATATTT
120651 TCCTCTACCA TGCAGTGGTT TATTTTTGCA TTAATCAAGT GATTAAATAT
120701 GTGTGAATCT GTTTTTGAGC CCTCTATTG ATTGCATTGG TGTATATTTT
120751 TTCTTCTTTG CCAATACCAC ACTTTCATAG GTAATATAAC TTTATAATAT
120801 AAGCTATATA ACTTTATAAT AAATCTTGAT ATTTGGTCAT ACAAACCTTC
120851 CAAATTAGTT CTGTGTTAAT TGCCGTGGCT ATTCAGGTTC CTTTGTATTT
120901 CCATATAAAT TTTAGAATCT GCTTTTCAGT TCCTGCCAAA ATGCTGCTA
120951 GGATTTTGGT TGGTATTTCA TGGGCTCTT TAAGTGTGTT TTTGTGCAAG
121001 TTTATAGAAA TAAAGGGCTT TGTATTTCAGC AGTCTTGCCT AATCCCTCG
121051 TTAATTTCTAA CAGTTTGTCA GGTCTTTGGA TTTTTTCTG TACACAATCA
121101 TGTTGACATG ATTAATGACA GTCTAATGTT TTCTTTACTA ATCTTTATAG
121151 ATTTTTTAA AAATTTACTT TTTCTGGCAT TATTGCTTTG GGAAGCACCT
121201 TCATTACAAT TTGAATAGA AGTGATGATA GTAGGCATTC TTATTTGT
121251 CCTAATCTCA GAAGAAAATA ATAACTTTC AATATTTTAC CAATAAGCAT
121301 AATGTTTACT ATATATTTTT AAGCTTCAA AAATCAGATT AAGGAAGTTC
121351 CCTCTATAT CTGGTGTGCT AGGAGTTTTT TTCTTTTAA AAATATAATA
121401 AATTTTGAAT TTTATAGAAT GCTTTTTTTG CATCAGTTGA GATGGTGATA
121451 CAATTTTCA ACTTTTCTT ATAATGAGAT ATATTTTGAT TGATTTATTT
121501 TCATATATTA AGTCAACTCT GTATTTCTGA AATAAAATCT ACATGGTCAT
121551 GATGTATTAT CTTTTTAATA TGTCGTATTC TATTGCTAA TATGTGTGTG
121601 TAAATTTGGG TTATTTGAAT CAACGTTTCA GAAAACATTT GCTCGTAATT
121651 TTCTTTTCCC ATAATATCCT TGTATATTT TAGTATCAA CTTGTCTGG
121701 TCTTACGAAA TGAAGAGGTT GAGTAAGATT ATTGTTATTT ATTTCTTAA
121751 TATTTGGAAG AATTTATCAG TAAAGCCATC TGGTCCTGGA GTTTTCTTT
121801 GCAAGAGCTT TTTATATTTT TATTTTCTG TATTCAACAA ATATCTATAT
121851 TGAGAAGATA AAGGTAGCCA CTGTTCTGTT GTTGTGCTGA AAATACATTG
121901 GTAGGCCAAA ACAAGCCAA ACAATACAG GGTCTTATA AGGATTGCTT
121951 TATAATATTT ACTTTTGAGA TAGAGGGTCA GGGGATACTT CTGTTGTCTA
122001 TCTCAGTTAT TATTATTTTT AACTTTTATT TTAGGTTTCT GGGTACATGT
122051 GCAGGTTTGT TACAGATATA TATATATATA TATATAATAT GTCACAAGGG
122101 CTTGGTGTAC AGATTATGTC ATTACCTAGG TGTTAAGCAT AGTACAAAAT
122151 AGGTAGTTTT TTTTCATTAA AAATAAATTT TATGCATACA TAATAGTCGT
122201 ACGTATTTAT GGGGCACATG TGATATATTG ATACAAGCTT ACAATGCATA
122251 ATGATCAAAT CTAGGTTATT GAGGTATTCA TTGCCTCAA CATTATCAT
122301 TTCTTTGTGT TGGGAACATT CCAAGTCTTC TAACTATTTT GAAATATATA
122351 ATAAATTATT GTTAACTATA TTTTGTGTGT TTAAACCTTT ATTTATTTGT
122401 TTGCTTATAG TTTGTTACAG CAACCGCCTT CTTTATTTTT ATTTTGTAGT
122451 TCCTCAACCT CCTCCTCTCC CTCTACCCTC AAGTAGGCC CGGTGTTTGT
122501 TGTTCCCTTC TTTGCATTCA TGTGTAGTCA ATGTTTAGCT CCCACTTATA
122551 AGTGAGAAAA TGCAGTATTT GGTTTTCTGT TCCTCTGTTA GTTTGCCTCC
122601 AGGTGATGCC ATGTTGCTGC AAAGGACATG ATCTCATTCT TTTTATGGC
122651 TGCATAATAT TCCACAGTTT ATTTCTTTA TCCAGTCTAC CGTTGATGGG
122701 CGTTGAGGTT GATTCCATGT CTTTGCTATT GTGAATAGTG CTACAATGAA
122751 CATATGCATG CATGTGCTT TATGGTAGAA CGATTGTAT TCCTTTGGT
122801 ATATATACCC AGTAATGGGA TTGCTGGGTC AAATGGTCAT TCTGCTTTGA

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122851 GTTTTATTAT CTAAATAAG AAATTATCTC TGTTTAATAG ATAAAAACTA
122901 TTCAGATTAT CTTTTCTTC TTGTGTCGTA AGTTGTGTTT TAAAAAGACT
122951 GTTAACTTCA TATTATCAA TTTATTGGAA AAAACATGTT TATAATGTCA
123001 TCTTAATACT TTCTAATATC TGTGGAATCT ACAGTGTTGC ACTTTTTTCT
123051 ATTTGTTATC GTTAATCTGT GTTTTTTTCT GATTTTCTTG ATCAGCCTTG
123101 CTAGAAATCT ATTAATGTA TTAGTCTTCA CTGATTTTGT TTCTATTGTT
123151 TATTTCTATT TCATTAATTT CTTCTCTTTT AAAATTTATT TCCTTAAACT
123201 TTCTTTGGTG TGATTTGCTG TTTTTTTAAC TTCTCAAATT GACTTATACG
123251 GTAGATATTA AGTTTTTTTG TAATATATGC ATTTAATACT TTTAATTTTA
123301 CTGTAAGCAC CTTAACTGCA TTCAATGTGT TGATATTTGG TATCTTTATT
123351 AGCATTCCAT TAAAAGTGT TTCTAATTTT TTGTTTGACC TAAGGATTAT
123401 TTAGATGTGT ATTTCTTAGT TTTCAAGCAG TTGGCAATTT TATAGTTTTT
123451 CAATTATCTC TTTTCTCTG TCACTCTGTT ATTCAATGCT AGCACAATTT
123501 TACTGTGGTC TGACTTTGAA GATTTTCAGTC CTTAAATCT GTTGAGGCTT
123551 GCTTTATGGC CCTGTATATT GTCATTTTGT GTAAATGTTT CATGTGCCCT
123601 TGAAAAAATA TTGAATCTG TTATTGTTGG TTGCATTTAC ATCAACTTGC
123651 CAATTATGTC CATTTTGTCA TCGTGTAGAT TTTTCTATC TTTATTGATT
123701 TTTTAAATTC TGTCAGTTCT TGCTTCATAC ACACACACAT GCACATGATG
123751 CACATGCACA CACGCACACA TTATTGGGTG TATATGGATT TAGAATTGTT
123801 TTATATTCCT GGTGGTTTGT TTTATTAATC CACCATCTTA ATCTTAGTAG
123851 TGTTCTTGC CATTTTGGTG TTTGTATGGT TTTTCTATCA ACCTCTCTGT
123901 ATTCCTATAT TTAAAGTTTG TTTTGTGAGC AGAATATACC TTTTTCAG
123951 TCTGATAATT TAGTTTTTTA ATTGGAGTCT TTTCCCTCTT GTGTCATTTG
124001 CCTTATTTT GTCATGAATT TTTATTCTAC ATAATTTTAA AACACCACAA
124051 GATATTGTTA ATTTTATTTT GTAGAGTTAA TATTCATTTA TGCTTATTTT
124101 TTGGTGCTCT TTATTTCTTC TTGTACTCAT TGTTTTTGTC TGGATCATTT
124151 TTCTTCTGTT AGAAAAATTT ATGTCTAGGA TTTAAGAAAT GCTTTCCTGC
124201 TGGAATGAA ATCTCTGTTT TTGCTTGGCT AAAAACATCT TTATTTCTCTC
124251 TTAATTTGAA GGACTGTTTT TTCTGGGTAT AGAAATCTAA CCAGATGCCA
124301 TTTAATAGTC TTGAGATAG ATGCAAAATT TATTGATTTT CAAATAATTT
124351 TCATCATTTT TAATATTTAC ATTGATATTG GTATTCTAGT TGATTTCATG
124401 CACTTCTTTC TAACATCTCC CTCTTCTTTC TAGCATTCTT TAATGGAAAC
124451 AGTCTAGGAT TTGGAAGAT AAATGCCCTA ATTCAAGAGT CAGTTCTACC
124501 ATTTACTACC TATGTGACCT TGGCCAAGTC ATTTAACTTT TCTGAGCCAA
124551 TTTTCAATCT ATAAAAATGG GAAAAATATT ACACGGGCTC TATTTCACTG
124601 GGAAGTTATA AGGGATTGTT GAGATATTGT CAGTGCTTGT TAAATGTAA
124651 AGTACCAGTC AGCTCAGTTG GAAATATTTA GTGTTATTAT TTACTGGAAC
124701 AGAAATATTC TCAGTGACA TATCCAAAAT TCTCTTACAA ATGCACATTT
124751 TCATGAGTAC CCACAAAATA GTTCAATGGT ATTATTCATG TATTTATTTT
124801 TGTCTATCCT TTGTGTGATT AAGGACATTG TTTAAAGTTA CATAAATGT
124851 AACTTACACA AGGTCAATCA CAAGTTTATT TCTTATCTTT CAAGTACTA
124901 ACATGAAAAA GAAAACCTGG ACAGTTACAT AATTCATAAT GTCCATAAGA
124951 TAAAAAATAT TATTATTCA TCATTATTTA GGAGAAGTGC CATTATTTCT TAATACTAAG
125001 CTCAGACAGG AATTTCCCTT TCAGTTTTTT TTTAATGAT GTAGAGTTAT
125051 TTTAAATATT TTCCGGCTGG TTTAGAGGTT ATTGATTTGC ATGGTTAATC
125101 CAAATCAGTG TTGGACTTAT CTAGAATTTT AATATTCTGT TTCATACTCA
125151 CCATGGGAGA ATTATACATT TTAATGTGGG CTTCAAGTAG CTGCTCTTCC
125201 ACTCCACTTG CAAATGGATT ATATTCAAG AATAATAAAT AATGCCAGTT
125251 TCCTTTTCAA AATGCTTGA TACACATTAG AGGGAAGGTT AGGCTGCTAA
125301 ATTAATAATTA TATTTTGCAT ATATAAAAT ATCAAACCTGC CTTAGGAAGA
125351 TAATATTCAG CTGCATTTTA TGTATTAAAA GCTAATTCAA AAAATCCTTA
125401 CATTAAATCAA ATACTTAGAA TTCTTACTAT GTGCAGGCAT ACTGTTAACT
125451 CTTGATCTGC TTATTCTTTG ATAAAAAGC TGTCATTGAG ACTTACTTTT
125501 GTGCTTTATT CTTTCACTTT TTTGGTTTTT TTTTGGTAA ACATGTATTT
125551 AAATGGAAAA AACTGTATG AACTGCAGT TTTAAGTCAA CTAAGTATTG
125601 TATGTTTTGTG CCTCACAGC AATGCCCAA CACATCTGAG GTTTTGTATG
125651 ATGAAAAAAT TTTAAATAGG ATATTTGTTC CTTATTTAAA TTCTTTGACT
125701 TTGTCTTCAG GTCAGTGGCA TGCATTTTGT ATGAGATGTG CTGCATGAAT
125751 CATGCATTCG CTGGCTCCAA TTTCTTATCC ATTGTTTTAA AAATTGTTGA
125801 AGGTGACACA CCTTCTCTCC CTGAGAGATA TCCAAAAGAA CTAAATGCCA
125851 TCATGGAAAG GTATAGAAAT AAACATGTTG TCACAGAAAT AATTTAAAGT
125901 TGTACTTATA TTTTAGTTTA CCTGAAAAAT AATTTTCTGT TTAACATTA
125951 CAGCATGTTG AACAGAATC CTTCAATTAAG ACCATCTGCT ATCGAAATTT

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126001 TAAAAATCCC TTACCTTGAT GAGCAGCTAC AGGTATTTAA AATGAAAGGG
126051 ATTCTGGGAA ACAGGTATGA GCATTGTAT ACACATTCCA TGACTTGAAG
126101 ATATGCAGTG GGGATATGAT TCAGTAAGAA TCAACCAGAA AGGAGGAAAA
126151 AGGCCAAAAA GAAGCTGAGA GGCCGAGGCG GATGGATCAC GAGGTCAAGA
126201 GATCGAGACC ATCCTGGCCA ACATAGTGAA ACCCCGTCTC TACTAAAAGT
126251 AAAAAAATAA TTAGCTGGGC GTGGTGGTGC GTGTCTTTAG TCCCAGCTAC
126301 TCAGGAGGCT GAGGCAGGAG GATCACTCGA ACCCAGGAGG TGGAGGTTGC
126351 AGTGAGCCGA GATTGCGCCG CTGCACTCCA GCCTGGCAAC AGAGTGAGAC
126401 TCTGTCTCAA AAATAAATAA ATAAAAATTT TTTAAAGCTG AGAAAAATAG
126451 TAGTCAGGAC AATCTCTTTC CAAAATAAGG TGTGTGTGAA CTCCATTCC
126501 CCAGTGCCAC TAGAGGCTT AGATTAGGTT TCTGATTTTA TGCCAAAACT
126551 CAACATCCAC CCTTGGAGCT CTGTTGACAG ATCTTACCTG AACACTTTGT
126601 AACTATATCC CTGCAAGGAC AAGAATATGC TAACAGAGGA TGCTAAAATC
126651 TAGGGTTATC ATTGACCATT TATAATTCCA ATCCTTTATT ACATATCTCA
126701 ATAATACTTT TTAATGATTA GCTAGGTTTA TTTTGTTTTC TTGTAATTA
126751 GGAAATTTGA CATAGAGGCT GTGTCTCAGG TATTAAGAAA GCAGAAAATG
126801 GTCCCTCTT TAGAGGGCTT TTGTTTGTTC TTTTAAAAA CTTCTCAGGG
126851 TTTTACAATA CAGGTCCCTG AAGCAAGTTT CCTCTGTAAT TTTATGCGTA
126901 ACTTTAAGAG GAACCACAAA ATGGTCATCC ACTTTAAAAA CTGTGGGTAC
126951 CTTTTCATCA GTGGGGCATG TTCCAAACCC AAAGGAAGCA AAGGTGATAA
127001 ATGATGTGTA CTTATTAGTT GAGTGCTGGG CACTGTGCTG ACACCAGGGG
127051 ATGCCAAAAT GAAAGGAACA GGTATGTTTC CTGTCCTTTT GAAGCTTGAC
127101 TGCTAGTGAG AGAATCCAAT AACCAAGAAA AAGTAAGGAT GTAAATAAAA
127151 TAAGTATATG CCTAGCACTG GGAAGAAAAG ATAATAAACA AACAGGATAC
127201 TGTAATAATA AGGGAGAAAG GAAGGGCTTT GCGGTCAAA GGAATAGGTG
127251 ACATTTCTTT ACCAGTGAGC CAATGGGAAG CAACCAGCCA TGTAAGAGC
127301 CTCAGAAACA GTGTTGAAT CACAGGGAAT AGCTGGCACA GAGAGGTCCT
127351 GATTATGTTG TGCTTGGAG GTAGGTACAA ATGGGAGGGT TCTTATGCAA
127401 GCATATGCTC TCAGGGAAGC CCATGCGGTC ATGGGGAAGG CTAGACAGGA
127451 GAGGGAGGCA GGCTAGGTT TCCTGATACT TCCAGCTCTC CTTCTGTGCA
127501 GGCCAAATGG GATCCAGTAG AACCTGCAGG TGGTCCCTCG GAAAGAGCCT
127551 CATATGCTGG TTGTGGGGAT CAAAAACACA CTGAAGAGGC TTTGAGCATT
127601 CAAAAAATAA ATGGGTCAAA AGGTATTCAC AGGGATCTGC TGGGACCAAG
127651 ATGAGGCAAG TGAGGCCCTT GACTCTGGGG CAAAAGTTAA GGGGACACTA
127701 AAATTCATAA TCAAGATAAG TAATATTTTA AAAATCCAGA TTAATGCTTA
127751 AAATCCAGG TAACAAGATA TTAACACTTT AAAGACAGAA TCCAGCAGGG
127801 CCAGGATTAG GGTAGGTTAA GTGAGGTGGA ATTGTGCAAG TTCAGGGTTG
127851 GATCCTATCT TTAAAGTTTT GCTATTGTAT TCTTTATAGT TTTTGTGACAT
127901 TAATTTTGAT TTTTAACAAT AATGTTTATT AAAATTATTT ATCTTGCTTA
127951 CTGAGTTTTT TGGTGCCCTC TTAGATTTTG TGCCTGAGGT ATCTCACTTG
128001 CCTAAACCTT GCACTGGCCC TGGGAGTGTA GATACTGTCC TCTACAGTCT
128051 GGGAGGTTGG AAAAGCTTG TGTCTTCTTG TAGCTGAAAG TAGGCCTGCC
128101 CATGATTGGC AAAAGGGAGT GAGAGAGCAA GCAGTGCAAG ATGAAGCTGG
128151 AGAGACAGGC AGGAGCCTGA CCCTGCAAGA TCTTCTTGGA AAAGCTACAT
128201 GTAATTTTAC ATAACCCAGG GAAACTAGC ATGCTTTGTT CTCAGGCTCC
128251 CTGCCATGGT CAAAAGCACC CCAAATCTGA AAAGATTCTT GGTAATTTAT
128301 TCCCTTTTCAT CCCTAAAGAG GAGCCTTTAA GATATGTCAG GGTGATCTT
128351 TTTTTCAGAA CCTAATGTGT AGATATTGAG AAATGACTCT GGAAGACAAA
128401 AATTTGGATT GTCAGAAGGA GGCTGCTCAT ATAATTAATG CCATGTAAGT
128451 AATTGCTTTG TTTTTAAAAA GCCCATCGAG TGTAAATGTT AAATGTATTT
128501 GTCTTTAAAA ATCTATTAGC ACTAACTGA CTGCATCGAG TATCCTAGAA
128551 TTCCTTAAG TCTTGCCAAG AAATTAAGGA GCTTCAGGAA CTTGGTGTTC
128601 CAAAGCCCTT TACCCAGGT GGTAGCAAAT TGAAATCATG AAAGTTTAAA
128651 CCACTGCACA GCTTACAGAT CTGCAGGGTA GCTCTGCAGT TGCCTTGCAA
128701 GGATATAGAG AAGTTAATAT CTCAAATATT TAGTAACATT TATGCTAATG
128751 AGCCTTCCAT AATAACCATA AATGGCTTTC ACATGTTGTT TGTTTAATGT
128801 GAACTGGCAG AGTATCTATT GACAAGAAAA CATTGTGGAG TCCTGAGACA
128851 ATTGAAAATA AGCCGAAATT CACTTCTTTC AAATATACAT TCCTTCACAT
128901 AAGAACTAAA CATTGTATTC CCCAAAGAAA CATAATTATT TCCTGATCTA
128951 ACTTCTCTCT CCTACCTCGT TCAAAATTTT TGTTCATATA CTTGCAAGAA
129001 CCCAGAATAC TAGGTTCTTA TGTTCGGAT TTTTGCATAG TTTTACAGTC
129051 ATGCACAACAT ATGGTATACA GGAGGTGTGC AGGACAGTGG GATGAAAACA
129101 GAAGCCCTCA ATAGGCTGAT CTAGCACAAA TATACTCCTC CAACACCCAG

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129151 TCCAATGTTT CTCAACGCTA CCATGTTTGC TTTCCATCCT CACTTTCAAA
129201 CTGAGGAAAT TTGCATGATC TCCAGTTAAG ATACACTATA TACCACAGGG
129251 GGTAAATTTT TAGACGTGTT CTTAATAACC TTGTTTTTAT GGTTTATTAC
129301 CTGCTATTTC AAGAAACGTC GAAATTTCCA ATTGTATTTT ATTAAGTAGA
129351 GATGTAAGAG TAGTAGATAT TTTTAAATA CTGGACTAGT TTTAGCTATT
129401 ATTTTGTACT GTAGTTATAA AACTGACACT GTTTACAATT AACAGTGTTT
129451 TAGAATCCAG TTGTTTGGAG GGTATTTTAC ATTATGAAAT ATTGACTTCA
129501 GATGGTCACT GCTATTTTCG AGATCTATGA CTATGTTTCA AGGAGATCCA
129551 TTGGTCTGAC AAAATAAGAG ATGTATATTC CTGAAAATTG CATGTCCTCT
129601 GGAGTCTGTT GTCTGGATGG TATCAGAGAG GTATTAGAAC TGTCCTCAGA
129651 GGTCAATTACA ATTTTCTCAT AGTGTGTGTC AAGGAAAGAG TTGGGTGTGA
129701 AAGGTCTTCT ATAGTATTGG GTCCTAACCA AGTCAGGAAG AGAAGCAAAT
129751 GCCATTGAGA ATGTGGTTGG AGTTCCTTCA ATGTGCCTTC CCTCTGAAGA
129801 CTTTTAGAAG TGTGCCAGTC ATCCCTGTCT ATCTGGCTGC CTCTAGTCGG
129851 CCATCTTGCC CCTTCCCTCA TGCTAAATTT TATTGATTGT GTCTTCTATT
129901 CCAGGCTTAA TACAGTAGAT ATTTTTTGCT GAGGTATGGT GTAGTGGTTA
129951 ATTGCACAGA TTAATAACAG TCTCTCAATT CAAATCTAG TTCCCAGGTA
130001 ATACTCTGTA TTAATTTGGA CAAGTTACTT AACCTCTCTA TGACTATAAA
130051 AAAAAGTACC TACTTCATAG AGTTGCTCTG CATTTAAGTG AGTTAATTCA
130101 TGTAAAGTGC TTACAAGCAT GGGGTATTAT CCTGCTAAAA TGTTAGCCAA
130151 TGTGATTATT TAGCCTCTTT TTCAGTTAAG GAAATATGCT TAACATTAAT
130201 CATACATTGA AAGATGTTTA TGTGCTGGTT GTTGGGATCG AAAACACTGA
130251 AGAGGCTGTG AGCATTCCAC AAAAAAATA AAAAAGTCAA AAGGTATTCA
130301 CAGGGATCTG CTGGGAGGAG GATGAGGCAA GTGAGGCCCT TGACCCGTGTG
130351 GCAAAATTTT AATGGGACAC CAAAACCTCAG AATCAAGATC AAATTTTAAT
130401 GCAATATTGT AAAATTCCAA ATTAATGCTT AAAATCCCTG GTAACAAAAT
130451 ATTAAAAGTT TAAAGACAGA GTCCAGCAGG GCCAGGATCA GGTGAGGCAA
130501 GTGAGGTGGA ATTGTGTAAG TTCAGGGTAG GATCCTGTCC TTAATAATTT
130551 GCTATTGTAT TCTTTATGGC TTTTGTGACAT TAATTTTGAC TTTTAAAT
130601 AATTTTCTAT AAAATTATCT TGTTTACTGA ATTTTTTTGG TGCCCCCTTA
130651 GATTTTGGCG CTGAGGTATC TCACTAGCCT AAACCTTGTTG TTGGCCCTGG
130701 GAGTGTGATC ATTGTCCATT ACAGTCTGGG CGGTGGGAAA AAGTTTGTGT
130751 ATTCTTGAAC ACAGAGTGTG TTATTAATCT GTGCGATTAA CCACTACACC
130801 ATGCTGCAAC AAAAATATCT ACTGTATTAA GCCTGGAATA GAAACATAG
130851 TCAATAAAAT TTAGCATGAG GTAGGGGACA AGATGCCCTA CCTCTAGTTG
130901 GCTAGATGCA GCCAGGTGAG CCAGGTGGAA CAGCTGCCAC TGAGGGACCA
130951 GGATGACTGG CACACTCCTA ACAGATCTTC AGAGGAAACA ACTGAGAGTG
131001 GTTGGAGAGA AGACACAGAA GCTGGGCTGA AGGGGGAGGA AGGTGGGAAT
131051 CCTGTATGGG GCCACTGTAC ACCTGTGCAC CGGGACCTCC AGTGACGCTG
131101 GGGGAATGGG TGAGTTGAAC TGGCAGAGAG CAACCTATTC TTGCCACAGG
131151 CCTCTGGAAT CCTGGCTGGA GGACACCCCT TGACTACCAG GGACACTTGA
131201 GTTGGTAGGG AGAGCTGCTT AGAGAAGTGG TAGGGGCAGC ACACCAGCTG
131251 ATGTGAAGTC CAGAGGGTTT GGTGCTTGAG TGTCTGCAGC AGAGCATGGC
131301 CAGGGAGACC ATCCCCCTAG GCTTGACTTG CTCCCATGGG AGGCTTTAGA
131351 CCCAGGGGAA CTGTCAGACT TGAACCTGTC AGGCAGTCTT ACCCATCAGA
131401 GGGGGCTGAT CTGACCTGAG CACCCCTTGA TCTTCTGGCC TCTCCTGAGG
131451 CCCAGCCTGG CCATGCCTGC TTGCAGTGCA GCCACAGGTG TCTTGGGGGT
131501 CTACATCATA GCTCCCGTAC TGCTGAGGAA TCATGCCTGA CTGGAGGAGA
131551 GATCCAGTAG GGAGGCCTGA TCCTTCCCCT AACTGCAGCT TCCTCAGGCT
131601 CACAGCCACC ACCCTCCCCA TGTGCTTTT CTGGCATCTA TATACATGGG
131651 CAGATTTTGA CTTTCTGCTG CTGCCAGCGT GCATGTGCAT GCACACTGCC
131701 CTGCTACTGC TGCTGACAGG AGTGTATCCC ACCTCACCTC CCCTGCCATT
131751 GCAATCAGAG CCTTGGCGGG CACAGAGACA GCCAGCCCTG GCCCTACCAG
131801 CACCCTGCCC CTGTACCAAC ACTGCTGCTA GAGTGAAACT AGGTGCAGAG
131851 AACAGCGGAC CCTTCCCTGC CCTGAGTGGC CACCCCTACC TGTGTCAGCA
131901 TGCACAGAGG TTGCACACAG ACCTATGCCC ACAAGTGCTG CACCCTGTGC
131951 TAACACCACC ACCAGCAGGA CCACATGCAC AGTTGCCAGT GGAGGGCCCC
132001 GGCTCCCTGA GCCATTCTGT CTCTGCTGCT GCTGTGAATG CCCACAAGGA
132051 GACAGGCACC CTGACACCTG CTAGACCCT TCCACAGCTG ACAAGTCTGC
132101 ACCCCTCCAC ACTGCCACTC CACCACCCT GCGCTGCTG GCACATGCAA
132151 GCAAGGATGG ATCTGCTGCC ACCATCCTAC AAAATGGTAT GGCTGGCACC
132201 ATCCATCAGA GTGTAGTGAC CAGCTGTCCA GGAGCACATT GGCCCCCCA
132251 GCGCAATGAG TTGACGACCT TGAGGAGCCA GAGAGCAAAA TTGGGGCCCA

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132301	GTACAAGTCT	CCCAGAGTTA	GAGCACACAG	CCCAGGAGCT	GGGAGCTGAG
132351	CACTGGCTGC	CTAAAATTTT	CCAGAAACAA	AACCAGTCTA	CTGAATCCAC
132401	CTTATAACAC	AATCAAACCC	TCAAAGTTAT	CAAGTAGAAT	AAAAGGAAAA
132451	AACATCCAAA	GGATAGCATC	TTCAAAGATT	GAAGGAACTT	CAGCCCACAA
132501	AGATGAGATA	GAGCCAGTGC	AAGAAGCTTC	AGAACTCAAA	AAACCAGACT
132551	GCCTTCTTTT	CTCCAGGTGA	CCACAGTACC	TCGGTAGCAA	GGGTTCTGAG
132601	ACAGCTAGAG	AAGGCTGAAA	TGACAGAAAT	AGAATTCGA	ATATTATATAG
132651	GAATGAAGAT	CATTGAGATG	CAGGAGCACA	TTCAAACACA	ATCCAAGGAA
132701	GCTAAGAAAC	ATAATAAAAT	GATACAGGAG	CTGACAGAAA	AATAGCTAGT
132751	ATAGAAAAGA	ATGTAAGTGA	CCTGATTGAG	CTGAAAACCA	CACTGTAAAG
132801	ATTTCAGGCC	GGGCCCAGTG	GCTCATGCCT	ATAATCCCAG	CACTTTGGGA
132851	GGCTGAGGTG	GGTGGATCAT	TTGAGGTCAA	GAGTTTGAGA	CCAGCTTGGC
132901	CAACATGGGG	AAACCCCATC	CTACAAAAAT	TACAAAAGTT	AGCCAGGTGT
132951	AAGTGGTATGT	GCCTGTAATC	TCCAGTTACCA	TAGGAGGCTGT	GGCAGGAGAA
133001	TCGCTTGAAC	CTGGGAGGCG	GAGGTTGCAG	TGAGCTGAGA	CAGCACCATT
133051	GCACTCCAGC	CTGGATGATG	GAATGAGACT	CCATCTCCAA	AAAAAAAAGA
133101	ATGCAATCTC	AAGTATTAGC	ATCAGAATGG	ACCTAGCTGA	GGAAAGAATC
133151	TCAGAGCTTG	AAGACTGGTT	TTCTGAAATA	AGACAGTCAG	GGAGAATATG
133201	AGAAAAGGTA	ATGAATAAAA	CCTCCAAGAA	ATATGGGATT	ATGTAAAAGA
133251	GGTCAAATCA	TGTCCCTGAA	AGAGGTGGGG	AAAAATTGAAG	CAATTTGGAA
133301	AACACAGAAA	TACATTGCAT	AGAAACATAG	AAATTTTCATC	CATAAGAACT
133351	TCCCCAACCT	AGCTAAAGAG	GTCAACACTC	AAATTCAGAA	AATGCAGAGA
133401	GCCTCAGTAA	GATACTTCAC	AAGAAGATCA	TCCCCCAGGA	CACATAATCG
133451	TGAGGTTTTT	CAAGGTCAAA	ATGAAAAGAA	AAATTTTAAA	GGCAGTTGGA
133501	GAGAAAGGTC	AGGTCACATA	CAAGGGGAAG	CCCATCAAC	TAACAGCAGA
133551	TGTTCTCAGCT	GAAACCTTAC	AAGCCAGAAG	AGATTGGGGG	CCAACATTCA
133601	ACATTCTTAA	AGAAAAAGAA	TTCTAACCCA	GAATTTTCATA	TCTTGCCAAA
133651	ATAAGCTTCA	TAAGCGAAGG	AGAAATAAGA	TCCTTTTCAG	ACAAGCAAAT
133701	ACTGAGGGAA	TTGTTACTAC	CAGACCTGCC	TTATAAGACC	TCCTGAAGGA
133751	AGCACTAAAT	ATAGAAAAGGA	AAGACCATTAA	CCAGCCACTA	CTGGTACACA
133801	CTGAGATACA	CAGACTCTAA	GTGACACTAT	AGAGCAACCA	TACAAACAAG
133851	TCTGCATTAAT	AACCAGATAA	CTCATGATG	ACAGGATTAA	ATCCACACAG
133901	ATCAATCCTA	ATCTTGAATG	TAAACAGACG	AAATGCCACA	ATTAAAAGGC
133951	ACAGTGTCTGA	GTTGGATAAA	GAAGCAAGGC	CCAATATAT	GCTGTCTTTG
134001	AGACCCATCT	CACATACAAT	GGCACACATA	GGCTCAAAGT	GAAGGATGGA
134051	GA AAAATCTA	CCAAGCAAAT	GG AAAATAGG	AAAAAGCAGG	GGTTGCTGTT
134101	CTAATTTTCA	ACCAACACAG	CTTTATACCA	ACAATAATCA	AAAAACAAGA
134151	AGAGCATTAC	ATAATGATGA	AGGGTTCAAT	TCAACAAGAA	GATCTAACTA
134201	TCCGAAATAT	ACAATGACCC	AATACAGGAG	CACCCAGATT	CATAGGGCAA
134251	GTTCTCAGAA	AGCTTTACAC	CAGTCAGAAT	GGTGGATCAT	GAGGTCAAGA
134301	GATCGAGACC	ATCCTGGCCA	ACACGTTGAA	ACCCGCTCTC	TACTAAAAAG
134351	ACAAAAATTA	GCTGGGCGTG	GTAGCGTGTG	CCTGTAGTCC	CAGCTACTCA
134401	GGAGGCTGAG	GTTGGAGTGA	GCCCAAAATC	TGCCACCGCA	CTGCAGCCTG
134451	GCAACAGAGC	AGAGTCCATT	CTCNAAAAAA	AAAAAAAATA	GAAAAAAAAT
134501	GTCAAAAAAT	AGATGCTTGT	GAGGTTGCAG	AGAAAAAGGA	ACACTCATAC
134551	ACCATTGGTG	GAAGTGTAAT	TTAGTTCAAC	CATTGTGGAA	AACAGTGTGG
134601	CGATTCCCTTA	AAGACCTAAA	AATAGAATAC	CATTTGACCC	AGCAATTCCA
134651	TTACTGGATA	TATACCTAAA	GGAATATAAA	TCATTCTATC	ATAAAGACAC
134701	ATGCACGCAT	ATGTTTCATT	CAGCATTGTT	CACAATAGCA	AAGACATGGA
134751	ATCAACCTTA	ATGCCATCTC	ATGGTACACT	AGATAAGAA	AATGTGGTGA
134801	ATTTACACCA	TGGGATACTA	CACAGCCATA	AAAATAACAA	GATCATGTCC
134851	TTTGCAGCAA	CATAGACAGA	GCTGGAGGCC	ATTATCCTTA	GCAAAGTAAT
134901	GCATGACCAG	AAAACCAAAT	AATGCATGTT	CTCACTTATA	AGTGGGAGCT
134951	AAATGATGAG	AACACATGGA	CACATAGAGG	GGAAACAACG	ACACTGGAAT
135001	TTTTTCAGAG	GTTGGAGGGTG	GGAGGAGGGA	GAGGATCAGG	AAAAATAACT
135051	AATGGGTACT	AGGCTTAATA	CGTGGGTGAC	AAAATAATCT	GTACAACAAA
135101	CCCTATACAT	TTGAGTTTAC	CTATATAACA	AACCTGCACA	TGCATCCCTG
135151	AACTTTAAAT	AAAAGTTAAA	AAATAAAAAA	ATAAGATTTA	GCTATTAAAA
135201	TACTAGCATT	TTGGAATACT	TTTTATGTGC	TAGGCACTGT	GCATATGTTA
135251	TCTCATATGA	TACTTACTGT	AGCCCATTCT	TTACAGATGA	GAAAAGTGAG
135301	ATTCAGGGAG	GTTCAAGTTAC	TTGCCCCAAG	CCACAGAGCT	AATGAGTGGT
135351	GGAGGTGGGA	TTCGAACCCT	GCCTAACTCT	AAAGATTATG	TGTTTATGCT
135401	ACATGGGTGGA	ATTACTGGGC	CAGTCTATTT	ACTCTTTAAT	GGCCCAAGATC

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135451 CTAATTTGTT TTACATTATG AAAACTAGTC ATTGGCGATG AAATGAGCAG
135501 GAATTTGGAA AGTAAATAAT TTCCTTTAAA CAAAAATCTA ATTTGAAAAA
135551 TGTGCTTAT TAACACAGT CCTGGTTGGC TCATTACATA CCCAAAGCTT
135601 ATTAGTTTTT GCCTGGCCTG TCTCAAGATG CTTTGTCTCT CAGTAGTGTA
135651 GTGATACTTT TATAAAATAT TTGTTTAATT TTTCTGAACA TGTTTGGGAT
135701 GGGCTATATG AGGGGAATCT TTGTTATTTA TAGGCAAAAA AGGATCCACC
135751 TGCACTACTT GAGGGCACTG TCAGAAGTAC AGAAAATGAC GCCAAGAGAA
135801 AGGATGCGGC TGAGGAAGCT CCAGGCGGCT GATGAGAAAAG CCAGGAAGCT
135851 GAAGTAAGCT GCTTTTCCTT TAGGCACTCA TGCTCGGGAC TACTTCTCAG
135901 GGCTCTCAGG GAATTTACAG AGAAAAGCAA AAACCAAAAC AGGAAACCCC
135951 AATGCATACG ATTATGTATT TATGTGTTTA TTCATTCACT TGTTCACTCC
136001 AAGATGATTA TTGAGCCATA GATTGAATGT CAGGTGCTAT TAATATCAGG
136051 CTTTCAGTCT TGTGTGAAGG GAAAGATTAA CTATTGGGA GGTATTAGT
136101 GATGAAAATA GGGTCAGTTT CCAAACGAAA TCTCATGTGT GTTGACAGCT
136151 TCTGCACATA CCCAGCAGG AGACATCACT GTTTCACCCG GATTCCCTAG
136201 GTGCTTGCTG CGTACCTTCT ACCAGGAGAC CTCACTTATT TATAGGAAGG
136251 AGACTCTTATT GGCAGGAAAT TGTTAGCTTT TGGAAAGAGT AGACTGGAAA
136301 CAGAGCTCTG TTCTGTCAAG TGAAGCATTT AGAAAAGTCT ATGCTCAGGG
136351 CGATGTTGCT GGTGGGAGAT ATCACTAGTA ATTAGAGTAT TTACATGAAA
136401 AAGTGAAATT TCAGGTGTTA GCCAGGATGT AGAGAAAAGG GAACCCCTGT
136451 GCAGTAGTGG TGAGAATGTA AATCAGTACA GCCATTATGG AAAAAATAGCA
136501 TGAAGATTCC TCTAAACATT AAAAAATAGA ACTACCATAT GATCTGGCAA
136551 TCCTACATTT GGACTTATAT CCAAAGAAAA TGAAATCAGT ATATAGAAAA
136601 GATACCTTATA CTCCAATGTT CATTGCAGAA TTATTACAG TAGCCGAGAT
136651 ATGGACTCAA CCTACGTATC CATCAACAGA TAAGGGGATA AATAAAATGT
136701 GGTATAAATA CACACAATGG AGTACTATTT AGCCTAAAAA AGAAGGGAAT
136751 CCCATCATTT GCAACAACAT GGATGAACCT GGAGGACATT ATGTTAAGAG
136801 AAATAAGCCA GGCATAGAAA GACAAATACT GCATGATATC ACTTATATAT
136851 GGAATCTTAA AAAGTTAAAT TCACAAAAGG GGAGAGTAGA ATGGGGTTAC
136901 TAGGGGCAGG GGGGCATGAA TGGGGAAATG TTGTCAAAAG GTAAAAAGTT
136951 TCAGACAGGA GAAATAAGTT CTGGAGATCT ATTGTACAGC ATGGTGACTG
137001 TAATTAATAA CAATGTTTTG TATTTTTGAA AATTGCTAAC AGAGTAGAGC
137051 TTGATTTAAT TATCCCACAA TGTATACATA TATAAAAACA TCACACAGTA
137101 TATATAAATC TAAACATTTT TTGTCAATTA AATTTTAATA AAGCTGAAAA
137151 AATACATGTA TAAAAATGGA ATTTCAAAGA GGCTTAGAGC CTCATTTCT
137201 GAAAGACTGA TTTATGTGTT GGTAGGTTAT CAAATTTCCA AATTTTCTT
137251 ATTTTTTCTT CCTCTGCCAA TATTTTGGTA GTTTAGGAGC CCCAATCAAG
137301 AACTAGAGAG ACAGAAAGAA CCTGAACACA AATCTACGCA TTTTGTTCCT
137351 TTGTTAATTT ATCCAAAAAA TGATTTAGAG GTGTCCTTGT ACTTAGAATG
137401 AATATCACGA TAAGCCAAGT AAGAATCTAT GAGTCTATTT TCCCGTAACA
137451 TTTGCTTTCT TTAATAAATT GGTAGAGAAA GATTTCCATG AAAGTACATT
137501 GTGAGCAGTG GTGTGCTGGT AAATATTTAA CAACCAGCTC TGGGTTTGAA
137551 GGGGACTGCT TATTGTTTGT CTGATTTCTG TGATATAAAT ACTTCCACTG
137601 TGGCCAATAT CAAGCTAACA ATATGATACC ATTTAATATT CAGTTGGGAA
137651 GATATTTACA CAATCTGCTC TTGAGCCAAT ACAAGTTGGA TTCTGCAAAAC
137701 CACTATGACA TTGAGTGTGA GTTTTACTGG GAAAATATAT TCACATAAAT
137751 TGCTTGAGCC ATTGCAATCAG CTCACAGCCC CAAATCTGTT CGTAATACCT
137801 CAGAAATGGT GATATTTCCA AGGTGCCATG ATTCGTGTCA TTGGCTGGGG
137851 GTAAAAGGAA AATTAAATCT CTGATAGGAA CAGATTAAAA AGGCAAAATT
137901 AATAACATAT GCAGATTACA AAATACATTA AAAGTGTTTT TTAATACAAA
137951 GAAGTCACAT ATCTTTCACA TGATACACTA ATATATTTTT CTTATTTGAA
138001 AGTAATGGTT TTAAATAAAG TTTGGTCTTG ATTTTGTGAA TAAGTTGTAT
138051 TGGAATTGTT TCTAGTTGTT GATTATAGAA TCAAGGGGGA TCATGTGTTT
138101 TAGCTAGAAA ATGACTCTAT TGTCAGAAGA ATTATAATGT ACCCGTTTTA
138151 GAGACAAGGG AGTTTGACTA GAAGGGTGTG CAGTGATGAA AACCTGAGTA
138201 TAAATTAGCC CACAAGTAAT CATAAGAACT CAAATCTTTC TTCCAGTTTA
138251 GTAGCAGGTC GCTTAACTC ACTCTCCTGT AATAGAGAAA ACAAAGTAAA
138301 TGTGTCTAGA AAAATTCCCC TCGCAATGA CTCCAGATA TTTCTCATA
138351 AATCCTTTGA TATGTAGCTC TAGTTTACT TTTTATGGGT TTGTTTCATC
138401 TGAAAGCAGT TTTTGTGTTA TTAGTATGTG TTAGGCACTG TGCTAGGCAT
138451 TGGGAACACA TAGCCCTGTC ATTGCACTTG GAGAACTCAC AGAGAGGAGC
138501 ACTGCCTTCT CCTGTGCTG CATTGTGGGA TTTGTAAGGG TGAATAAGGA
138551 ACCAGAGTAT CTTGTGTGTG CTTTAAAGA GAATCAGCCG GGTGCTGCAC

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138601 CACATTCACC TTGATGAGGA AGAGACCTGA TGGCCTGGCT TTCTAATCCC
138651 CCAGTCAGTC TGTTGAAATA AGGATCACAC TCATCTGTAT AATATAGACA
138701 TGGTTTTAGC AATTCGCAGT TATTTTTCTA CATTCACTTT AAATTTACAG
138751 AAAGATTGTG GAAGAAAAAT ATGAAGAAAA TAGCAAACGA ATGCAAGAAT
138801 TGAGATCTCG GAACTTTCAG CAGCTGAGTG TTGATGTACT CCATGTAAGT
138851 ACCCTCTTAT TTTAAATTTT ACATAAAAAAT TTTTCTTGCT TTAGATTCAT
138901 GCGGATGATT GGGTAGGAAA AGGGACAAGG GAGAAAAACA GAACATCCAG
138951 ATTAACCTCA CCCAATTCCA GGAAGGATTC TAGAATGTAG GTCAACAGCT
139001 GGTGACAACG ATTCAAAGCG GCTGTAGCGA GAGGTGGATC AATTGATCCA
139051 TTTAACAAAA ATCAAGCTCC TACTCTGTAC AAGACAACGT AATTGGCACT
139101 GAATGCATAA CTGATGGGTT AAAATGATTA GCTGACAGAA CAAATGTGTG
139151 TATATCTAAT TTTTAATTCC ACCCATGCTA TTGTTGCTTT ACCTCTTTAG
139201 TACATTGTTT TCTTTGTCTG GTTTTTATTC TTTTCCTTTT TATTTTGTGTT
139251 CCTACCCATT TTGTTGTACA TTGTGTTAAT AATTTTATTG AAATTTTAAC
139301 TGTCATAGAT GTTCAATAAT GAATAGAGTT GCAGATTCAC ATGAAATGAC
139351 CCCAAATTCA TGTCTCTGGC ATTCCAAATC TGTAAATAGC AAACACCATT
139401 TCTCTTAATG GTTGACAATA TCTCCACAGG CCTTGGGTAG GCTCTGATTA
139451 ATAAGGTGGT CTTTACAACG TCAAATTTGG GCAATAGACA TCAATACCAA
139501 CCTCATAGCA CTTCAGGTAA AAGCAACTTG GGATGAAGCC ATTTTATATG
139551 AGAAGCTCTA CTGTCTCAAA TTCTGATTTT TATTCACGGA GATCCCTGCA
139601 TGTGAGAGAT TCTCTCCTTT AGCAGGAAGC ACCAAGCTCC CTGAGGCTGT
139651 GGGGACAATC CCCCAAGCCC CAGGGATGCT AATTCTGTTG TAGCTTAGTT
139701 ATCAGATGGC TCCAAGCCCT GGGGCATGCA GGAGACCTCA CCCTCAGCCA
139751 GACAGGGCCC CTCTTTAAGG GGGAGATCTG CCAGTAATGC ATCTTTCTCA
139801 ATTATTTAGG GGTCTGTGT GCTTTGGAGT TCTAAAAATC CCAAGTGGGG
139851 ACCAATAAGA GGCCTAGCTT CCTCTAATTT CAGGAGTCTT CCTCTGTTTG
139901 ATGGACCAGT TAGCAGACAA TGTGGGGATG ATGGTAATAT GTGCTCAATT
139951 CCATCCCCCT TTTCCCACCC CTCTGACACA CCATTTAAGT GAAGGCCCCC
140001 TGTGGGATCT GTTGCAAGCT ACAGAGAATT GGGAGATGGG TTCTTTCTTG
140051 CTCAGGGAAC TTGGCGAGTG AAGAACCTGC TGACTGAAAG GCCATGGGGT
140101 CAACAATAGG GCTGGATCCC TAGTTGGAGA AAGGTCTTGA TGCCACCACT
140151 ATGGAAGGAC TCAAGCCCCC TCTGAAACT GGGTGCATTT CTTCAGCTTC
140201 CCACACACTT CTAGGCCCTG CAAATGATAG CCTGTTAAGG TGGCTCTTCT
140251 TCTCTGGTGC AGTCTGCTTT GTCCCCCTGC AGTGCTGAGA ACTGCACATT
140301 CCCACAAATC CTGACAAGGA GGCTGACAGA ATTATAAGAA TTCCGAGTTT
140351 GTTAATGTGT AAAGTACTTG TTTATTGAGC TATAGAAATG GGGACATACT
140401 TTTCTAGAAT GCTCAGAGAT GTTGATTTTC TTATAAGTCC TCTGCTAATT
140451 CATATGCTGC TGGTCTGATT CCTATGTACA CTCTGATTAA TAATGAATAG
140501 AAAATGGGCC TCCTGAAAGC AGTACTTCAC CTCAGATGAG GGAAGACTTG
140551 GAAAACCACT GCTCAGCAGA CCTTGTCTCA ATCTCTTCAG GGTCTTGTCT
140601 TCCTCTTATA AATCAGGGAT CACTGATTCT AAGGGATTTT CCCCCAAGA
140651 TTGAAAATTC AGAAGTACAG GCATGGTATT ATTTTGTCTT TTAATATCTA
140701 AATGACTTCA TTCTTGAAGT TACCATATGG CAAAAAAGAA ATGTAGTTTC
140751 AAGTATGAGC TTAATATTA GTGTCTGATA ATTTACTTAC CTTTTTTGCT
140801 TTTCTTCTTT GACCCTTCAA GATCACCATG TTTGTGTTCT TTTTATTGG
140851 ATGGAATTAT TATTGGTGTT ATAACATATC TCTATGAGGT CTTGTCTTCC
140901 TCTTATAAAT CAAGGTCCTT TGGGGGCCCT GAAGTAACGT AAGATAAGCC
140951 TGAGACCATA TGGCAGGAGC CATCCCCAAA AATGTTCTTA TGCATATATT
141001 ACTCCACAGA ACATGGGAGC TAGACACAAA GTTCTGATCT TGGCCCAACT
141051 CAGATGAAGA AAGAGAGGAT TTCACAAGGA TCCTATGAAC TCCCAACTCA
141101 TCACTTCCCC AGTGACTTCC CATTTTCATC CCCTTCCCAT CAGCAAGGAG
141151 CAAAGGGAGC AGGAGGGGAA GCGACCGATG CTGATGCTGT TCTGGACAAA
141201 GACTGTGGTT TATTCTTTGA TCTCTGAGA TTAGTGCCAC CACTGTCTTT
141251 GGCCCTGAGC TTTCCAGAAG CATGTTTCCT ATGTTTATAT ATTGATGGGG
141301 GCAGAAATGC TCCAGGCAGA TAGATGGCTG TTGAGTCTGT TCTGTTTGAA
141351 CACTGTGTCC TCTTGCCAGC TGGTTCAGGC CCACAGACTG GATGGCTCAG
141401 CATCGCCAGG CATCCTGCCC TCTTTTGTGC AGTCACATCA GTCATTTCCC
141451 TCTGGCACAT TGTCAGCATC CCATCTCTCT TTCAATTGTT TTCAGGAAAA
141501 CCTTGTGAGC CCACTTGGGT CCACAATCAA TGGACCCTCC TCCAAATTCT
141551 TATGGCTTAT AGTATTCTCA AACTTGAAAT GCACCTTGAT TGCCTATGAA
141601 TCTTGTAAAG ATGCAGATTC TGATTCAATT AGTCCAGGGT GCAGCCTGAG
141651 ATGTTGCATT TCTTTTTTTT TTTATTTTTT TTTATTTTTT TTTTTTTGAG
141701 ACGGAGTCTC GCTCTGTGCG CCAGGCTGGA GTGCAGTGGC GGGATCTCGG

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141751	CTCACTGCAA	GCTCCGCTC	CCGGTTTAC	GCCATTCTCC	TGCTCAGCC
141801	TCCCAAGTAG	CTGGGACTAC	AGGCGCCCCG	CACTACGCCC	GGCTAATTTT
141851	TTGTATTTTT	AGTAGAGACG	GGGTTTCACC	GTTTTAGCCA	GGATGGTCTC
141901	GATCTCCTGA	CCTCGTGATC	CGCCCGCCTC	GGCCTCCCAA	AGTGTGCGGA
141951	TTACAGGCGT	GAGCCACCCG	GCCCGGCCGA	TGTTGCATTT	CTTATAATTCC
142001	CTCTGCTAAT	TCCTATGCTG	CTGGTCTGTT	TCCATGTGAT	ACCTTGATTA
142051	ATATGAATA	GAAATGGGC	CTCCTGAAAG	CAGCACTTCA	CCTCTAGATG
142101	AAGAAAGACT	TGGAAAACCA	CTGCTGAACA	GACTTTGTCA	TAATCTCTTT
142151	AGGAAAAAAC	ACATTTAAAA	GGAATGGAAG	AAAAGGAGGA	GCAACCTGAG
142201	GGAGACTTTT	CTTGTTTACC	CCAGGACGAG	GATGAAGAGA	GGTGGCAAGG
142251	CAGGGAAGAG	GCAAGTTTAA	TCATATTAC	AAGCACAAAA	GTGAGGCAGG
142301	TTTAATGATA	TCCGAGAAC	AAAGGGGAAA	GAAATTGGGA	AGCCGAACAC
142351	TTTTCAGAGG	AGCTGAAGG	GTTTAAATG	TAGCAGGAAA	AAGCTTCATT
142401	GAGCTGAAAA	AGATGAAATA	AATATAGGAA	AGAAATTAGA	TTAATCAGAT
142451	GCAAGAGGCT	AAAGAAAAAT	GTGATAAGGA	GAAGAGGAAG	AGGAAACTGC
142501	TCCCATCTTT	GAGTGCTTTC	CTCCCCCTTG	CCCATATACA	TGTTTTATGAT
142551	TTAATTTCTT	GCTAATCTCA	TTGGGGCTCT	GTTCTCTATT	CCTTTTTGCA
142601	TCTCTCTGTC	CTGGTGGAAG	CAAGCTACTT	TATATTTCAA	AGACCTTAC
142651	AGGAGAGATG	CAGAGTTATG	GGAGAGAATG	GGCTCTATGT	CGCCTCTCAA
142701	ACATGTTATA	AAATTTATTT	GAGGCATGTA	GAGAGAGTGG	CTTGCTTTGT
142751	TTTTTCAGACC	CTAGCTGACA	AGGCCTTTTA	TTTTAGCAGG	CATTTTCTGC
142801	TTGGCTGAAT	TTGGGCTTTG	AAATCTTGAA	GCACCATCGA	ATGTGGAATC
142851	ATGTTAGGCA	CTGTTTCTCT	AAAGAATCAC	AGCTTAAAAC	AGTTGGATAC
142901	CATAATACAT	AAGACAGGCT	AGGTCTGTCT	TTGATCCTGT	GGCATATACA
142951	TTTTTGCTGG	GGCTAAAGTT	AGTCTCTGTT	GAAAAGTACA	TAGCAGATCA
143001	GGTCTCCATA	CGTGGAAGG	TAAATGGGGAT	CAAGATCAG	ACCATGTCCT
143051	TCTCTTTCTA	AGAGAAGCAA	TTATAACAAT	TCTATCTTTC	TCTTCAAAGA
143101	GAAACTCAGC	AAATCAAAGT	TAATTGAGAG	TCCAATACA	TACTTATTTT
143151	CAAATAATTT	CTGAAGTGCA	CGTAAAGACG	TATTTTCATGT	ACTCTCTGTT
143201	CTTTATCTGT	AAAGTTCTCT	GTGTGCTCTC	AGTGATCTTT	TGAAATCTGG
143251	AACCAATTTT	GCCTCCTGAA	ACAATTATTA	TGGGTACAG	AAAACGACT
143301	TCTTAAAAAC	ACTTTATGAT	GATATTCTCA	CAAATACCGC	ACTGCAGTGT
143351	GGCATGGCTT	CATTTTACTT	ATTAAGATTA	GTTTGAACCT	TCTTTTAAAT
143401	TTTCTTTTAT	TAAAAAGACA	CTCTTGGAGT	AGTTTCCCAT	GAAAACCATT
143451	TATCAAGAAA	AATAGATCAA	CTCAGCACCA	GCTCCAGGTT	CAAACACAAA
143501	TACACACACA	CACACAAAAC	TAAGGGAAAA	AGGCAAAATG	ATTTCTTGAA
143551	ATACCTATTG	ATTTTGGCTA	AACCTTTTAT	TTTTTTGAAG	TGTGAATTTT
143601	TTCATCATGT	GGTCTCTTAG	ATCTTTTCTT	TTTTAGGAAAT	TGGAATTCAT
143651	AGAATCACAG	AGCTTTAAAG	CTAGAGGGGA	ACTTGTAAGT	CATTCAGGCT
143701	AACACCTTTA	ATTTTGAGAT	GCAGAAACTG	AGCAGGGCTG	GAGTAGGGTG
143751	TGGTAAGTGG	AACACCATAG	GTGCCAAATT	GAAGAAGGCC	CCCTCAGCT
143801	GTCAATGGAG	TGAGTACCTT	CAATTGGTAC	CTTGGGCATC	CCACTTGGCT
143851	TATCTAGTCA	TGATCCTGAA	ACTGAGCCCC	TGAAGGCTAA	ATGCTTTGTG
143901	CAAGGTACC	TGTCTCATTT	ATTCAGGGCT	TTTGTCTTTA	TCCCACCTTA
143951	CCTCCTGAAG	TTTGAAAACG	TTTAAGGGAG	AGGATTAGGT	AGGCTTGTTT
144001	CCAAGTAGTC	TTCTAAATAA	GAATATTTTT	TTCATTTGTG	GTAGTGCTGT
144051	TTCTTCTTAT	CAGCATCTCA	TGAATTGTTA	ATTACCTTCC	ACAAGGAATC
144101	TGATGAACCA	ACTTTAGAGA	ACCTGCCTGA	GTCTCAGCCT	ATTCTTCTCA
144151	TGGACCTCCA	CGAACTTGAA	TCAATTGTAG	AGGATGCCAC	ATCTGACCTT
144201	GGATACCATT	GTATGTGTTT	GCATTGATTT	TCAGAAGGAT	GCTCACAGCT
144251	GCTGCACAGG	TTGCTGTGGC	CGACTTTGCA	GTGGGTCTGT	CTGGCCTCTG
144301	GGAGAAGCTC	TGAGTGTGTG	CAGCTATTAT	CAGTTTACCA	GGGCTGGGCT
144351	ATGACCAGGA	TGAAAAGTAG	AGAAGCCAAG	GATTTTCTTG	TCCTCTCTAT
144401	CTTCTTTGCA	ATAGTGAGGA	TGAGTTGGAA	ACTCACACCT	GGTGAGAGAC
144451	CTCTTCTGGG	TGGGTTTAAAC	ACTGTTGTGC	TTAAGCTGAC	TTTGGAAATT
144501	TGCAAACCTC	GAATACTCTG	GAGCACTGTG	TCTTCCCTGT	TCTGTAATG
144551	GTTCTTCCAG	TTGTCTATAA	TTTAAATTTGA	AGAAATGAAG	CCAGGCTTTG
144601	GAAAATCAGC	TATGCAGATG	TGCATTACCA	GAAAATAAAA	GTGCTCAGAG
144651	CAGGAATACA	AAGGGAGGCC	TGTAGGATGG	CTGACTTTCG	TAGAGGACTT
144701	CCTGATGCCT	TTGCTACCTC	AGACCACACA	GCAAACGAGT	ACACTTCCAG
144751	TAAACCTCTA	TTTTCACTTG	GAATAAGACT	TTAATTAGTG	GTCCAAATGG
144801	AGCAGATACA	TGCAAAATGGA	TGAGGTACAT	CATAAGCTAA	TGGTTAAATG
144851	CATGAGTTTT	GGAGTAAAAA	AGTTGGCCCT	ATCAGAGAAG	GCCTTGACAA

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144901 CATAATCTCT CTAGGTCTCA GTTTTCTTAT CTATGAAATA AGAATAATAA
144951 TGCCTTCTTT CAGGGTTGTT GTGAATAGCA AATGAGACGT GGCATGTGGA
145001 GTGGTCTTAG TTCAGTGCCC AGCACACAGT AAGTGCTAAA GAAGGGGAAG
145051 CAGTTATGAC ACTTTGAGCA GAGGAGGGTT ATCAATATAG GTGTCTTCTC
145101 AGTCTTGTTT ACCAGTCTCC CCAGTGCCTA GAGCAAATTT CCAGGAACAT
145151 GCTAAGCACT CAATAAATAT TTCTTGAGTG AATTAATGAG TGGATGAATA
145201 CATGAGTGAA TGTTAGTCTG ATCCTCTGAG AAGCAGATGC TAAGACTAGA
145251 CTACAATTGC AACGTTACTT TTAGAGAAAA TGCTTATATA AAAGAAAATA
145301 GGAAAGAGCT AGAAAAAAC ACCGGGAACCA TTAGACCACT GATTAAAGTC
145351 TTATTCCAAG TGAAAAGAGA GGTTTGGTGA AGGTGAACCTA GATTCCTCTG
145401 CAGTTATGAG TAGCAAAGGC ATCAGGAAGT CCTCTAGCAA AGTCAGCCAT
145451 CCTACAGGCC TGCCTTTGTA TTCCTTCTGT GCTCCAGTAG TAGCCCATCG
145501 GGAGGCATCA TAGCCTCTGA GAGAATGCAG AGATGGATT T CAGAGCATAG
145551 CAGCTGGGAT CCTGGGCCAG TTGCACCTCTG TGTTGTTGGA GGTCTGCAAG
145601 TGCATCCTTA TGGCTGCACA ATGATGTAAC AGCTCTTTTTT GGCAGCAGTT
145651 TAGCTGTCTT CTCAAATTGA GAATTAAGGT AGTGAACCTT GGATTATCTT
145701 GTCTTCTCAC CAGATTGCA CTTGAAGTCT TCTTACTAGA GCTGTTAAAG
145751 CCTGTGCTGC CTCCTTCAGC TGTATGGAGA CAAGCACCTG AAGCTCTTTA
145801 GATTGGCATT AGCCAGCTTT TAAAATGGTG CTATGGAAGC CATCTTGTA
145851 CAGACATTCT TGACAAACAA ATATATATTT CAGATGGATT TCTGTCTTAG
145901 GCCTTTTATG GTATTTGATA TATTATTTGT TAATTTCCAA AAGTGAAATT
145951 TGGAAGTATA GAAATATCCC ATGGACTTCT CTTTCTAAAA ATAGAAATGT
146001 CAGAGACATT AGAACCAGAG CGACTCCATC TTGAATAAGA GCTGAGTAAA
146051 ATAAGGCTGA GAACTACTGG GCTGCATTCC CAGGAGGTTA AGGCATTCTT
146101 TGTCACAGGG TGAGACAGGA GACCAGCACA AGATACAGGT CACAAAGACC
146151 TTGCTGATAA AACAGGTTGT AGTAAAGAAG CCAGCCAAAG TCCACCAAC
146201 CCAAGATGGC AAAGAAAGTG ACCTCTGGTC ATCCTCATTG CTCATTATAT
146251 GTAAATTATA ATGCATTAGC ATGCTAAAAG ACACCTCCAC CAGCACCGTG
146301 ACAGTTTACA CATGCCATGA TGACATGGGA AGTTACCTTA TATGGTCTAA
146351 AAGTAGGATG AATCCTCAGT TCTGGGAGTT TCCACCCCTT TCTCTGGA
146401 ACTCATGAAT AATCCACCTG TTGTTTAGCA TATAATCAA AAACAACAT
146451 AAGTCTATTC AGTCGAGCAG CTCATGCCAC TGCTCTGCTC ATGGAGTAAT
146501 CACTCTTTTG TTTCTTTACT TTCTTAATAA ACTTGCCTCC ACTTTTCTCT
146551 ATGAACTTGC CCTGAATTAT TTCTTGTGCG AGGTCCAAGA ACCCTCTCTT
146601 GGGGTCTGGA TCGGACCCTT TTCCAGTGAC AGAAAGCTGA GAAAGTTAGG
146651 CAATATGTAG CTCCCAATAC CTGTGGCTTG TGCTCTGCTG GAGGACAGAG
146701 CCATCATGAT TTATGCATAG GAAGCCCCAG GACAGGATAT TGAATGGGTG
146751 GTCTAGGACC AAAAAGTCTG AGCTTCTTCC TGTTTTCAAA TAGGAAAAGT
146801 ACTTAATACT GCATTTTATA GATGAGAAGC CAAAGACATT AAGTGCTTTG
146851 CTTAAGGACC ACAGAGTTCC TGCTTTCTAT CTAGTATACC ACCCTTTCCA
146901 TTTCCCCCAA AGTGTGTGTT TTCGGTGGTG GTAGGTAGAA GCAATTGACT
146951 TGTAAGAAAC AGAAAAACAT GTCAAAGGAA CTGGACTTTC AAAAGGCAGA
147001 GTCTTTGTCA TGTGTCTCTT TGCTAATTTT TGTGAACGTG TATAGCCAAA
147051 TTAATCCCAA GCTAGCCTTG ACCACAGGTT CCAGCTACTA TGGAACACCC
147101 AAGCTATGTC CTTCTTACCT CTCATTTTGT CTTTGTGTCAT GGAGGTTTCA
147151 GTATGGTAGA CAGTGTGTTG ATTTACCAGC CAGACTGGAA ATCGTCAAT
147201 CTACTTCTTT GACCACTTTG TTCATGTTGT AATGTAAACA CTATTTAGGC
147251 CTCTATGATA AACTATCAGA TTAGAAAAAA TACATAATAG TTTTAGGTGG
147301 ATCAGATGCC TTGTAAAATA CTTTAAACAT TTCCGTTATT TTTTCTGTG
147351 TGTAAATTC TACCTTCTAA ATGCTATTCT TTCTTAATAT TAAATTCAAA
147401 AAATAAACTT AGAACTATGA AAATACAGCC TTGATAGGCA TTTAGGTCAA
147451 TTCTATGTCT TTGCTATTGT GAATAGTGCT ATAATGAACC TAAAATAAAA
147501 GTAAAAAAG AAGAAAAAAA GAAAATGCAA CCTTTGGGTT TGACAAATCA
147551 TTAGAATGGT GGGCAACTAC CAGAAAATTA GTGATCACAG AGATTAATTG
147601 AAGTGAAATT TTGAAACATG AGACTTAATT TGTGATGAA CTCTGAAGTG
147651 GTTAATTATT TTTTGCTTTT TAGAAGATTA GACTGCAAAC TTTAGCACC
147701 CAAAGGAAAT TTGTATTTAT TTTTATTTG GCATGTATAT GTAAAATAAA
147751 ATTATACAGT CATTCTTTCA AAGCTCCTAC ACCAAACATT TAATTAGTCT
147801 TTGAGGTTGA ATTTGACAAT TCCCTCTGGC ATATGAGGAG TTAGTTGCAG
147851 AGAAGAAAGA CAGGATAAGA CTTATTATTT ACATTTGATA TGCATTAGTT
147901 GACTATAGCT GATTTAATCT AGTGAAAGTC ATGGGTAACC ATTATAACCA
147951 AATGAGAAAG TACAACTGGA ATGTTAAAGA AATTATCCCC CATTTAACTT
148001 CTTATATGTA ATGCTAATGA TATCTTGCAC ATTAATTTTT GCCAGGAACT

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148051	TCTTTTGTAC	TCTAGCATTT	GTTTTATATT	TTATTTTTTTA	GCAACTCACA
148101	GCTGACTTTC	AGAGCAGTGT	TTTTTCCAAA	GCTGGAATAG	CCTGAGACTC
148151	TAGGGCCTGG	GTCTACAAGG	AGCATGACTC	CCTACCCAC	CATTGAGATG
148201	TGGAGAATGC	AGTGAAGTAG	GCCTTGGCTG	CTTACCCACA	TCCTGACCAG
148251	CTGTCACCTC	TTCATTTCCCT	GTTCAGCCAC	TCTTTAAGCA	ATCATCTGAGC
148301	CCAATGCTCA	GAGATAGCTC	AGACCTGTAG	GTGGTGTGTC	TTTGCTTGCC
148351	TGTAGGAGCC	CACATAGCCC	TTTACAGTTC	TGGGCTGTCT	ATGACTTTACG
148401	ATATCACCTC	TTCTTTTTTAA	ATGTCCAAGT	GGAAATAAAG	TGATTTGAAC
148451	TTTGCTAATT	AAATATGTTA	TGTTTTTATT	GTTTTAATTT	TAAAAAGAAA
148501	ACCTCTACTC	ACTCACTAAT	TCCACTTTTTA	GATAGTTATC	TGAAAGAAAA
148551	CCTTTACTCA	CTCAGTAATT	CCACTTTTTAG	ATAGTTATCT	GAAAAATGCAT
148601	CTACAAGAA	ACCTGTTTAC	AAATGTTTTCT	AGAAGTTTTA	TTCTATAAGTA
148651	CTCAAAATAA	AAAACAAGTC	AAGTGTCCAT	CAATAGGTGA	AAGGATAAGC
148701	AAATTTGTAG	TTTGTGTGATG	GAATATATAC	CTTTTGACAC	TGAAAAGGAA
148751	CACACACCAA	TATATACAAC	AATATAGATA	AATACTTTTA	AAATTATGTG
148801	AAGTGAAAGA	AGCCACACGT	AAAAGAGTTC	ATACTGAATG	ATTCCATTTT
148851	TATGAGTTCT	GGAACAGAA	GTACTTATCT	ATAGTAATAG	AAATTAGGCC
148901	AGTGGTTGCC	TGGGGTGTGT	AGTGGTGGGA	GTTGACTCTA	AAAGGGCAC
148951	TGGAAGCTT	TTTTTGTGAT	AGAAAAGTTT	GTAAGTTTGC	TATCTTGATT
149001	TGGTGTGATG	CTACCCAGAT	TGTAAATTT	GTCAAAACCT	ATTGGACTCA
149051	ATACTTTAAA	TTAGTGCATT	TTATTGTATA	TAAATTATAC	CTAAATAAAA
149101	TTGATAAATT	AAAAAATAT	TAAAATATTC	AGAAGAAACA	ATGTAATGCT
149151	TAGCTGTGCT	ATGTGTTAGC	TAATGAATGG	CCAAGAACGA	TGTGAGTGAA
149201	GTCATGGAGA	TAGAAAACAA	TTGGGAAGAT	CTTTGGGTAT	CACCTGGGAC
149251	ACAACCTCCT	TAATCCAGAA	GGTGATCACA	GGGTTTGAGA	CTTCTTCTA
149301	GCATCAGCTG	AACAACGTTG	TCTCCACAA	GGAGTGTTAA	CAAAGCTTTG
149351	GGGTCCTTTC	CAAGGAGGAA	AGTTGGCTAT	TTGGAGATAA	GGGACAGGGA
149401	TCTTTTAGCT	CCTCTCTCTT	CAGTCTTTAT	AGTTGGGGGT	GGAGGTGCAC
149451	ACATCTGAGT	AGCAGAGAGC	CCTACCAGCA	GATCTAAAAG	GACCTAGTGC
149501	TCACTAAGCG	CACTGGAGCA	TAATACAACA	AAAGGTGATA	GCTCAGACTC
149551	CAATGCCACG	CCCAAGATGG	AGAAGCTGGT	GGAGTGCCTT	GGCTCTTTAG
149601	TTCTCGAGAA	AGAAGACCAA	ACAAATGCCA	GGGGTACTT	GCACATTCTT
149651	AGATCTTCCG	TCACTTCTGG	AGCTTTAGAT	GTCTTCAAGA	CTTGATTTAT
149701	AAAGATAAAT	TGATGGTGGT	TTTATTTTAT	AATTGTCACT	TATTCCACTG
149751	AGTTACATTT	GCATTTTATA	ATAGTGTTTC	CACCTGACTC	TAATACTTGC
149801	TCTCAGGAAT	AAAGATGCCT	GCAGTTCTCA	CTAATTTCTG	AGTTCTAGAG
149851	GATAATTAGA	ATGAATCTAA	TACTGAATGA	AGATGTGCTG	ATTTCTCCAC
149901	CTGAGGCATA	TTTAATTAAT	TAGAGTGTTT	CTTCTGTACG	ACAAGTCACT
149951	AACTAAATTT	TCAAAGATTA	TATCCAATTT	GAAAAATTAA	GCTGGGTGCT
150001	GTCTAACACC	TGCCCAACAA	GCCACTTTGA	CATGGCATCC	TAAGCAAACG
150051	TAATATAAAT	AGGGGGGAAA	TTAGTCCCAG	AACGTCAGGT	ATTCATGGGG
150101	AAAACCAGCA	CCCACGGACA	TCTCAAATAA	AGTAAACCCG	CTGGGAAGGC
150151	TATATGTGAT	CCCATGGATC	ATCATTTAGC	TAAATATAAA	TCATATAGTA
150201	GTTATTATAT	TAAAGGTCAT	GCTAATTAAG	CAGAGGGCAT	CTTAAAGTGG
150251	CCTTGCTTGG	GTCATCATGG	CTCAGATTTG	GAACAAATCA	ATTAAGCAGA
150301	AAATTAATAA	AGTATCAATC	ATAGCTTTAA	GGTTGGATAG	AAACAAATGT
150351	AATAGAGTAA	AACCTTATAG	AATGTGTGTT	TCAGACAGTG	CTCTGCATAT
150401	ACCACCGTAT	GGTTTTCCCT	TAGTTGATGA	ATTTATTTTC	CATGCATGCT
150451	GGTTTCACAG	TTGTGCTCCA	TACTTATGTG	CTTACCACCT	GGAGAACAT
150501	GTTATGATGG	CCAAAGAAGA	CTAAGCTGCC	ATATGAAAGG	GAACTTTTCA
150551	GATTCTGCCT	TGAGTCTGTA	CTTTCCCATG	TGATTGCAC	GTGATTTTAA
150601	GGAACATAAT	TTCTGTATC	TGCAGTTTTT	AAATTTGTTT	TTTATCAATA
150651	AAATGCAGTT	AGTAATACCA	ATCTGAAAAA	TTTACTGTAT	TAAGTGAGAC
150701	AACATGTATT	TGATATAACA	CATATGTTAA	CATACAGTAA	CATACATGTC
150751	TGTTACTGTA	TTTTCGCTCA	TCAGTGACAG	GAGCTATTAC	TACCAAAATC
150801	GATATAGAAT	GGTTTAGATG	TGCTTATCAC	CTCTTGCTCA	CTTGTTAGAA
150851	TCGGACTTAT	CTTTTAAAGC	CCAGCTCAAA	GACGTCCTCC	TTGATTCGAC
150901	GTCAGAAGAT	GTCTCCTACC	AGGACTCTTT	GACTAATCTC	CCTGATCATT
150951	TTTCTCCTTT	CTTAGAACAT	ATCCTATGCT	GCCTTACAGT	ACTGAGGTTG
151001	TGAACCTGAC	TGTTGCCCTA	GCGTAGGTTG	AAAACTGGG	ATGCTTTTGT
151051	TAACAAGTCT	TTGGAAAGCA	CTTTAAAAAG	AATAGTAAGT	AGTTATATTA
151101	TAAAAATTAC	AGACACAGGA	TGAACAACAA	CATACAAAAA	ACCTATTCAA
151151	ATATCACTCA	CGTGAATACA	GTCATGTACT	GCTTAATGAC	AGGAATATGT

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151201	TCTGAGAAAT	GTGTCATTAG	GCAATTTTCAT	CCTTAAGCAA	ACATCAGAGA
151251	GTATACTTGC	ACATACCTAG	ATGTTATAGC	CTAATGCGCA	TCTAGGCTCC
151301	ATGGTATAGC	CTGTTGCTCC	TGCACTACAA	ACCTGTACAG	CATATTACTG
151351	TCCTGCATAT	TGTAGGCAAT	TGTAACACAG	TGGTAAGTAT	TTGTATATCT
151401	AAACACAGAA	AATAGACAGT	AAAAACCAA	TATAAAAGAT	GGTACACCTG
151451	TATAGGGCAC	TTATGAATGG	AGCTTGCAGG	ACTGGAAGTT	GCCATTGGTG
151501	AGTCAGGTAG	TGAGTGGTGA	GTGAATGTGA	AGGTCAGAGA	TATTCACTAC
151551	TGTTTACTAC	TGTAGACTTT	ATATATAAGC	ACTGTATATA	TAACACTTAG
151601	GCTATACTAA	ATTTATTTTG	AAAATATTTT	TCTTCAACAG	TAAATTAACC
151651	TCAGCTTACT	GTAACTTTTT	TACTTTATAC	AATTTAATTT	TAAAACTTTT
151701	TGATTATTTT	ATAACACTTG	GCTTAAACAA	CAAACACATT	GTACAGCTGT
151751	ACAAGAATAT	TTTCTTTTTT	ATATCATTTT	ATAAGCATTT	TCTATTTTTA
151801	CATTAAATTC	TTTTAACTTT	TGAATTTCTT	GTAAAAACG	AAGTCACGAA
151851	CACACATATT	AGCCTAGGCC	TTCTGCCTTT	CACCTCCATA	TCTCGTCCCA
151901	CTGGGAGATC	TCCATGGACA	ATAACATGCA	GGGAGCTGTC	ACCTCCTATG
151951	ATAACAATGC	CTTCCTCTGG	AATATCTCCT	GAAGGTTTTA	CAGTTAACAT
152001	TTTTTAAATA	AGTAGAAGGA	GTATACTATA	AAATAATGAT	AATAGTATAG
152051	TATAGTAAAT	ATGTAAAGTA	GTAACATAAT	TATGATTATA	TTGTACATGC
152101	TTGTATGCC	TATACTTTTA	TATGACTGAC	ATGTCAGTAT	GTGTGTTTAC
152151	ACTGCGTCAC	TAGTAAATAG	GAAATTTTTA	GTTTAATTAT	TATCTTATGG
152201	GACCACAAC	GTATATGTGG	TTCGTTGTTG	ACTGATACGT	CATTATGCAG
152251	TGCATGACTG	TACTTGTACT	TTAAGATTGT	TATGGCTTGA	ATGCTCTGCTC
152301	TCAAAAAC	AGTTGTTGGC	AGTGTGATAG	TATTAAGAGG	TGGGGTCATT
152351	AAGAGGCAAT	TCACATCATG	GGACTCCCTC	CTTATGAATG	GGATTAAAGT
152401	CCCTTATCAA	AGGGCTTTGAT	GGAGTGCAGT	CATCCCTCTT	GTCTTCTTAC
152451	CTTCCACCAT	GTGAGGACAC	AGTGTTCCTT	CACCTGCAGAG	GATCAAGCAA
152501	TAATACGCCA	TGTTGGCAGC	AGGGAGCAGC	CCTTACCACA	CAACCGAACC
152551	TGCTGTTGCC	TTGATCTTGG	ACTTCCCAGC	CTCCAGGACT	GTGAGAAATA
152601	AATTTATGTT	CTTTATAAAT	TACCCAGTCC	GTGGTATTTT	GTGACAATAG
152651	CACAGATAGG	CTAAGAAAAG	GACAGAACCT	GTACTGACAG	TTTCTTATGC
152701	AGATTTCAAG	GAGAGCTTTA	TCTGAAAAAT	ATGAGCTGGA	AGTAAGGAGT
152751	TGCACAATCT	ATAGTCAATG	TGAGCAGACT	TAGTCTGTAT	GCATGTGAGG
152801	AGTTTAAATA	ATTGTATTTT	ATGAAATTTT	AGAGTGGGAA	AAAAGCAGTA
152851	GCTCTAAATA	TTTTATATAA	TATGGGAACA	TAAGTTTAAA	TTTGTTACTA
152901	AATTAACAAT	GTATTATAAA	TAGAAATTTA	TCTGTTTGAC	TTATACTCCT
152951	AATAGTTCAA	CATTCAAGTT	TGATATTCTT	ATTGGAAAAA	GAGTCAAGTC
153001	TTAAAAATTT	CTAGGTTTCC	TTACAATTAG	ACATATACCA	TATTTCATCC
153051	AGTCTAAAT	ACACAGTTTT	GCACATTGGA	ACACCTCTGA	AATGGAGATG
153101	CATCTTAAAA	TAGACGGCAT	ATCATAATTT	CATGGACAGT	AGTTTTATTA
153151	ATGATATATA	ATATAATGAT	TCATTTCAA	ATTGATGGTG	TCTTTGATTC
153201	TGTAAAGTAC	AATATTATAT	TTCTCAATTG	TATTGGTCAG	GCTAGGCTAC
153251	ACTTGCTGCT	GTAACAAATA	CACCTATTGA	CCTAGGTAAC	AAGGGATTTA
153301	TAGCTCATTC	CTATAAGACT	CTATGTGGGA	AGAATCTCT	CAGGGCAGAT
153351	ATTCCTCTGT	CAGTGACTAA	GGACCAAGGC	TTCTTCTATT	TTATAACCAC
153401	ACCATCTCAG	CATTGTGGCT	TCAATGTTCC	CACAAGCAGC	AGAAGTAGAT
153451	TGGAAGTAGC	ACACCCACAC	ATAAATTTCT	CAGCTTGAAA	ATTACTTCCT
153501	TGCAATTTCA	TTGACTAAAA	CTAGTCATGT	GGCCCAACTT	TCCACAAAGG
153551	GCCTGGGAAG	TACAGTCTTT	CCTGTGCCCA	AGGAGGAGAG	AATCAGATAT
153601	GGGTGAACAC	TACTGATCTT	ACCACACACG	TCTATCTTAG	TTACCTGATC
153651	CTGAAATTAG	GGTAATGAAC	AAAACCCAAA	TATATAATTG	AATCATGTGA
153701	AATTTATGTT	CCAATTAGAT	AGAGAAACAA	ATACCTTTAT	TCTTTTACAA
153751	AATAATATAT	TGACTTGTAC	CAAAATGAAC	TATTATAAAA	TAGGCTTATT
153801	TCTTCATATT	CTATCATAAA	ACTGATGACA	AAAACAATAT	TTTATTTAGT
153851	TTTAAATTTT	CTGATTAAAC	CTAAAAAGCA	AAATATAAAT	AAAAAAGGAG
153901	TGAGCTATAA	ATCCCTTTGT	ACCTAGGTCA	GCAGGCGTAT	TTGTTACAGC
153951	AGCAAGTGTA	GCCTAGCCTG	ACCAATACAA	TTGAGAAATA	TCTATTTGTA
154001	CTTTACAGAA	TCAAAGACAC	CATCAATTTT	GAGATGAATC	ATTATATTAT
154051	ATATCATTTA	TAAAACTACT	GTCCATGAAA	TTATGATATG	CCGTCTATTT
154101	TAAGATGCAT	CTCCATTTCA	GAGGTGTTCA	AATGTGCAAT	ATATGTGAGG
154151	CATTTATTAA	GTTGGTTCTT	GAATCTCTTA	ATTCACTCTA	TAATATGTAA
154201	AATTTCTATAT	TGGGGCCATA	TGAAGCCTTG	CTAAAACTGC	TGGAGGACAG
154251	GTTTATATTT	GTAAGGCCAA	TATTTTCACT	CTTTCTTAGC	TCCCTCATTT
154301	TGCCAGCTAA	CGAAAGTTAC	TATTTGTAGGA	AGAAGAATGG	GCTCCAAAGA

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154351 TGTCCTTAAA ATCCTGATGT CCTAAGGCTG TCCTAATCCT TGGAACCTGT
154401 GAATATGTTA AGTTACATGA CAGAGGGGAA TGAATTAAGG TTACAGATGG
154451 AACTAAGGTT GCTAATCAGA TAGGGAGATT ATTCTGATTA TTTGGATGCT
154501 CTCAGTGGCA CAAGGGTTCT TAGAAGTAGA AGAGGGAGGC AGACAGGGGA
154551 GAACCAGAGA GATGGCAGTG AGACAAGGAA TTGGCCCAAC ATTGCTAGCT
154601 TTGAAGATGG AGGAAGGAGA CAATGAGCCA AGGAAAGCAG GTGACCTTTA
154651 GAAGCTAGAA AAGGGAAGGA AATGTATTCT TCCTCCTTGG ATCCCCCAGA
154701 AAGGAAGGCA CCCTGCCAAC AAGTGTATCT TAGCTTGGTG AGATCCATGT
154751 CAGACTTCTG ATCTACAGAA CTAAAAGATA ACTTTGTGTT GGCTGGGCAC
154801 AATGGCTCAC GCCTGTAATC CCAGCACTTT GGGAGGCCAA GGCGGGCAGA
154851 TCACAAGGTC AGGAGATGGA GACCATCTG GCTAACACGA TGAACCCCA
154901 TCTTTACTAA AAATACAAAA AATTAGCAGG GTGTGGTGGC GGGCGCCTGT
154951 AGTCCCAGCT ACTTGGGAGG CTGAGGCAGG AGAATGGCGT GAACTCAGGA
155001 GGCAGAACTT GCAGTGAGCT GAGATCGCAC CACTGCACTT CAGCCTGGGC
155051 GACAGAGCGA GACTCCGCCT CAAAAAAGAA AAAAAAAGAA AAAGAAAAGA
155101 TAACTTTGTG TTATGTTAAA TCACAAAATT TGTGGTCATT TGTACAGTA
155151 GACATAGAAA ACTAATACAG CTATATTGGA TTATGTCTGC TTCCAGTCAA
155201 ATAACCACCA TCTTTGATTC ATATGCTAGT TTTTTTTGTT GAAGTGATTG
155251 AAATAGCTTG CTTTGGTGTG TAGGCCAGAC TTTAATTTAG AAATTTATGA
155301 TAGGCATTTT AATTAATATT CTTTGATTTT TATAAAGGAA CTTCTATTTT
155351 TGTTTTGTGA CATTAAAGGC CACCTCAGTA CCAGATACTA ATTGTTGTAA
155401 GTGAGAGATC CCCTAGAATC ACCTGTCAAA CTCTTTCATT TTTTGAAGTG
155451 AAATAGCACA TCTCCAGAAA AAAAAAAGAA GAAAAGAAAA AAGAACTTTC
155501 TGGCAAGTAA CTATGGCAGC AAAACCTAAT ATCTTTTTC CTAATCAGTA
155551 ACAACATTTT CAACTGACTT CTCTTTTCT CTTGCTTCTA AAAAACTCAA
155601 AAAAGGAAAA ATAGGAAACC ACTAAAAGA TCCAAAATGA TCGTTGCATT
155651 TCATAATAGT GTGTATAAGT GTGAGCAGTA TAATGAATTT GACTTATTCT
155701 CTCCTTTATC GTCAATTTTC CACTTCTGTC TTCAGGGAAG TATGTGAAGT
155751 CGCCAGCATT TATAACTCAC CAGGTAGACT TGTCTCTGAT CTTGCAGGAT
155801 GGGTTTCTTG CAAACCCATC TCATTGTTCT GTGCACTGGC ATCCACATGT
155851 GGGGATATAT TTATATGAAT GTGTAGTATA AACATACCTA CCTACCTTCA
155901 CAGCTAACCT TGATGATCCT TTCCTGCTAA CCCCTTCATT TGTCTGAATT
155951 TTTTTTCTGG CCAAGGCTCG TTTAAATTAT TAATGGGAGT TCTTCTTACT
156001 ATTGAAGATT AGCTGGCAAA GTAAATATTT GTAGGTGAGT TTAAGATGCC
156051 TGCAGTCTTT CATTGCATGC ATTGGCGCCT GGGCATTTTG GGTGTAGAA
156101 ATCAAAGAGA CTTTACCCTT TTTTATATCT CAGATTGATT TTCTCTTTTG
156151 ACTCTAGAAG AAATGAAAAA ACTCAACCCT TCTTCCAGCT CAATTCCACA
156201 TGACCTGTTT TCTTGGCTTC AAATAGCATA AAGCTAAATT AACCTGCTTC
156251 TTTCTTCCA CACTCTACCT CCCACAAATC CATTTTAAAG TATAATAATT
156301 TGACAATTTG CATAAGCAGT TGCTTATGAG CATATGGTGT CTAGTCAAAT
156351 AAATTTAGCC TCCTTTTATT TGTGAGATTA TACATTTTGA ACAGGACCAA
156401 CCTTTGTGTG TTTTGGACAT CCCAAATGAA AAATTTTAGT GGTATACTTG
156451 AGAGGGCTGA AAGTGACTA CCGATTAAGA AAGAGCAGAT TTTAGAAAAA
156501 ATTTTAAAAA GTTTCCTTTG GCCCCTTTAG CTCTGTGCCA TGTTTGAGGA
156551 GAGTAGGTCA TTGCCCTGAC TATGCTAACA TGTTACAGG CCAACTTCTT
156601 TTTTAAAAAT TAAATAAAAT TTAAAGTTCT GGGATATGTG TGCAGGATGT
156651 GCAGGTTTGT TACATAAGTA AACATGTGCC ATGGTGGTTT ATGGCACCTG
156701 TCAACCCATC ACCTGGGTAT TCAACCCCAT ATGCATTAGC TATTTATCCT
156751 GATTCTCTCC CTCCCCTGG CCCCATGACA GGCCCCAGTG TGTGTTTTTC
156801 CCTCCCCTGT GTCCATGTGT TCTCATTGCT CAGCTCCAGC TTATAAGTGA
156851 GAACATGTGG TGTGTTGTTT TCTGTTCCCT GTGTTAGTTT GCTGAGGATA
156901 ATGGCTTCCA GCTCCATCTA TGTCCCTGCA AAGGACATGA CCTCATTCCT
156951 TTTTATGGCT GCATAGTATT CCATGGTGTA TATGTATCAC ATTTTCTTTA
157001 TCCAGTCTAT CACTGATGGA CATTGGGTT GATTCCATGT CTTTGCTATT
157051 GTGAATAGTG CTGCAATAAA CATACATGTG CATGTATCTT TATAACAGAA
157101 TGATTTATAT TCCTTTGGGT ATATACTGGT AATGGGATTG CTGGGTCAA
157151 TGGTATTTCT GGTTCTAGGC CTTTGAGGAA TCACCACACT GTCTCCACA
157201 ATGGTTGTAC TAATTTGTAT TCCCACCAAC AGTGTAAGG CATTCCTATT
157251 TCCCCACAGC CTTGCCAGCA TCTGTTGTTT CTCGACTTTT TATAATCGCA
157301 GAGGCCATCT TCTTACCTGT CCCTAGGAAC TCCACGATTC TTTGGTGCCA
157351 TCATGATGTC ATTCGATGCC TCGCCTCTTA CTTTTGCTC TCAGTAAATC
157401 ATATTCCTAT AATCATTGCT CTCTCAGCTC AAAATTCCAT CCAGCAGGCA
157451 TCATGGTAAA AACATGTATT TTCCATTATA TTGGCAATAT TCATTGATTC

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157501 AAAAATGTCA GAGGAAGTAC TCACAGTATA GGAATGTATC ATACCACAGC
157551 AACTTAGAGT CAATAAACTA GTTCTTTGTT ACTCAAAGTG TGACCTGTGG
157601 ATTACAATCA GTAGCATCCT GAGAATTGTT TAGAAATGCA GAATCTCGGA
157651 CTCACCTCAG ACTTCCTAGA TCAGAAGATG CATTTTAAAC AACATCTCAG
157701 TGATTTCGTAG GCACATTAAA GTTTGAAAAG GACTGAGCTA GACTCTAAAC
157751 CCAAAGAGT ATGGACCATG TCCGTCTTGC TCACCATTTT ATTCTTACCT
157801 ACTTATACAG TAACTAGTTC AGAGTTGGTG TTGCTAAGTA TTTGCTGAAT
157851 GAATGACTAA ACCTAGGGAA AAATCCTATT AAGAACACGA ATGCTTTTAA
157901 TCTTAAACAG CATACATTTT ACGCAGAGAT TAATTCAGTT GGGGAAGCAG
157951 TAGAATAACA AGTTGCCAGG AGAGGATAAG TTGTGTGCAT CACTGTTTAT
158001 CTATAAAATT TTTCTCTTTC TTCTTAAAGG AGACTGTAAT CTAATTTTAC
158051 TAGACGAATA CTGGAATAAT GAAAAATAAA GGAATTTCTG AAATAAGGAA
158101 ATAGAATCCT CCATGCATAC TTTTGTAGTC CCCTAGCTGT TGCATCTTTC
158151 TTTATGGATA CCCCTACATT TAAATAATAT TTTAGGTAAG TCACCAACAG
158201 TTTAAAAATA TGGTTTGTTC TTCTGCAGTA ACTATAGAAT AGTATTTAAT
158251 TTAATAGAAA TGGCCAGCCA TCCTTTAATA GAAGGGTCAC CAGAGTAATC
158301 CTCCCAAGGC TCCTTGGGAT GTGTCTTGCC TAAGAAGTAC TGGGAATTAA
158351 AGGGTTGTAT GAAGTATAGT CTGTATTACA GGTGCACACT TGTTCCTTTT
158401 GTTTGTATCA GTTAGTCTCC CCATGGAATT CATGACAGCA CTTTCCATAT
158451 GACAGAACGT TAGCAAATAT TGGTTGAATC ACTATTTTTC AATAACAGGC
158501 CTAGTAGGGC CATTACGTGA AAATATTTTTC TTAGTGGTTG TGTGACTGG
158551 ATCTCTGGA AAGCAGATAA TAGGACAGAG TTAGAAGTAT AAGAGCTGTA
158601 ATAGGTTAAA GTCTGTTGAA AGAAAAGTGA TAGAAAGATT GGGAGTAGGC
158651 AGAGAACCTT CAGACTATGA TGCAGGTCTG ACACCTGTGA AAGGCAAGCA
158701 GGAAGGAAAA CAGACTGGGC AAGAAGAGTC TCAGACAGCA CTGGAGCTCT
158751 GAGACAGCCT CATTAGCCCC AATGGGTGGC TTTGAACCAG CTTTACTGG
158801 TTCAAAGATT TCCCATAGAG GAATCCCATTA TTGGACAGAA ATGCTATTCC
158851 CTACTGTCCC CCACCAACTC AAATGCTCAA CTGATCCCCA ATATCTTACA
158901 GTTTGAGGCG CTGGGTTTAC TGCATGCTTG GCAGCTAATC ATCAAATTCT
158951 TGAAAGACCT GAGAAGCAGA CTTCACAGTA TGATTCATAG ATAGTGGTTC
159001 CTTTGAGCCA TTCCATATGC TTGAGATGGT AAAAGAGTAT TTTGATAACA
159051 GTCTATAATT CAGTAGTTTT CTCTGACTTA AAGTAACTGT ACCTCCAATA
159101 TGTTCAAAGT AAGAATGACT AAAATTTCTG GAATATTCGT ACACATTTC
159151 GAAAAATCCA CTAACTGAT GGCCACTGGT ATACTTTAAA GAGATTTGGG
159201 GCCAGACTTT GTCTTTTCTT TACTTATGGC ATTTACCAAC TATGTGGACC
159251 TGGACAAAAA ATTTAATATT CCCAAGCCTC AGTTTTCTCA TCTGTATAAT
159301 GGGAAATAAT ACACCCATTT TGCAGGGGTT TAGTGAGGAA CAAATAAGAT
159351 GATACACAAA GCTGAGCACA GCACGTGAAA CAGAAAGTAC ACAGCAATTT
159401 TTTACTAAAG GAGTACAATC AGTGTCAAAG CAAGTTGCAA TATTTTCTCA
159451 AGTTTCACAT AAAACCTTTG AAATGATGAT CAATAGTATT TCAACTTTAA
159501 TCACCAGGAA ACCTTATAAT TTTAGCCCAT AAACACCTTC ACTATATGAA
159551 TTAAGAATAA TTTAGAATAC AGTATTTTTC TTTGCTATTG TTTTTCGCTT
159601 TATGAAAAAT ATAAATCAC TTTGGCTGAT TAGTTCTACA TATCAAATGA
159651 TGGTCTTAAT GATGCCTATC TGGGCCAGTG AACTTAGTAC CAAAATAAAT
159701 TATCATCTTT GTCAGGTCTG TAGACAGCCC CCAGAATTAG AGCCAAGGCC
159751 CTACAAATGT GTATCAAGAT AATGTAGGGA GAGTGCAGCA AACTGTTTAT
159801 GACCTAATTC ACGCCAAGGA AGGCATTTCT AAATGGGCGC CCTCCTGTTG
159851 GTGCATCAGG GATACCACTG TTATATCCAG AAGTAGAACC TGGGACAAAG
159901 TTCTTTCTTT AGAAGACGCT CCTTTGCCAG CCGTTTAGAG CCCATACACT
159951 AGCAGTTAAA ATTTCCATCT ATTTTCTCTA AGTACATTAT GAGTGTAAT
160001 ATATTTTGTG CTAAGGAGCA TAAGAAGGAC CAGAATATGT ATCCATTTT
160051 CCATTGTAGT CTCATTTGAG ATTTAGGCCA AACTCAATAG ATTAATAATAT
160101 AGAGCTTGGT AGGCATAACC ATGACTTTTG CAATGGAAAT ATTTAGGTAA
160151 TACTTGTGGC TTATTTTAAT GTAATCCTCT GCTTTGGGTT TATAATAAAA
160201 TCAGGTAATT TTCTGTATAC ATAGGGATTT GTTATCCACT CTACCTCAA
160251 GGCTGTATGT ATAAGTGAAC TCCTGGTTTT AGACAAATTG CTTTGAATTA
160301 CTTCCATTAT TTTCTCCTTT AGTTGGAATA TGAAGAAATT TCAGCAGGCC
160351 TTTTTTTCAT AGCATAGATT TTGAAGACAA GGAAGAGTCT GTGCTTGTTT
160401 CTGGTGTCTG GCGTTTGGAG AGCACACACT GAAAGCAATT TGTCTAGAAG
160451 TATGCTGTCT GATTTGAAAT CCACTAGCCA CATGTGGTTA CTTTAAATTA
160501 ATTAAAGTTA AATACAATTA AAAATCTGTT CCTCAGTCAC ATTAGTCACA
160551 TTTCAAGTGC TTAATAATTA CACGTGGTTA GTGGATACTG TGTGGACAG
160601 CATACTTCTA GAACATTGCA TCATCGAAGA AAGTCTTATT GGGCAGCACT

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160651	GTCCAGAGT	AAAATCTAAG	TATCTAAATT	TTTAAAAAGC	TCCACAGGTG
160701	ATTCTGGTGG	GAAACCTGTT	TCAAAAATCA	CTATAACTAC	TATTTAAATGT
160751	TGATCTTATA	TTTCAACTTA	AAACTCACAA	AAGATTCTAT	TTCCCTCATT
160801	TTCCAGTTCT	TCCTTGGAAT	GAGGGATTGG	TTTACTGAAA	TTCTCAAATA
160851	CTGACAACAT	GTGTCAATAA	CTCTTCTCCT	TTTTCTAGAA	GAAGGACACT
160901	GAAGTGCAAA	GAGGTAAAAA	ATGAAGGAGA	TATTGTGTGA	CTGGACCCAG
160951	CCCCATCTGC	AATTTTTTTT	CAGAGGTTTC	TTTCTATATG	TGTGACAGCT
161001	TTCCACTAAA	TAGAAGAAAT	GAGTACAGGT	GTTTTGGTTG	AAGTCTTACT
161051	TCCAGAGCAT	ATTAGGACCA	AACACTGTGA	TACTATTATG	CTGCCTCAGA
161101	CCATAGTGTA	GCAAGTGAAA	GCCCCAAAAG	TCACACAGAT	TGAAAATAAA
161151	GTATTTCAGA	GTTTACCTAA	TAATAATTCC	TTCCCACAGT	GAAAGACAAA
161201	GCTTACACTT	ATTAAAAACC	AGTTGATCAT	GTTAATGAGT	CAGAAGTGTG
161251	CAAGCCAGTT	GATTTTACAA	GACTGAAGAG	AAAATACAAT	TTAATTAGAG
161301	ATGCTCAGGT	AAAATAGCTA	ACAGTCATTA	GTGACATCTA	GGAGCAAATA
161351	AACAAACCCT	GAGTTAATGA	AGGGTACACA	GGCAGATAGA	GGCTTGACAC
161401	TGGGACTAGA	GCTGGCCTGG	AGTGCCATAG	TGTGAGTGTG	TCTCTTGTGT
161451	GTAGTTGTGT	AATGAGCTGT	TTCTTACATA	GCCTGGTACA	TAGAAGTGCA
161501	TTTTGTGAGT	TCATGTCTCG	AAAGTGCTTG	TGTGGCCTAA	ACAATGTCCA
161551	TTTATTTTGG	TCTGTTTGTG	ATTAATTTTT	ATGATTTTAA	GGGTAGTAAGA
161601	AAATAGTCAG	TGCTTATTCT	TTTTCTCTTA	AAAGATTTAT	TATTAGATTG
161651	GTGCAAAAGC	AATTTCAATT	TTTGCCATTG	AAAGTAATGG	CAAAAACCGC
161701	AATTACTTTT	GCACTAACCT	AGTATAATAA	ACTTTATTTT	CTTAAGTGCC
161751	AGTTTGCCTC	TTTGAGCTTC	AAAAGTGGTT	ATCTTATGTG	GCTCTGTAGA
161801	AATCTCTTCA	AATTTACCTG	TTTTCTTCTT	TCTGGGCTTC	CTTTTAGGAA
161851	TTCTGGAGTC	CCTTCTTTTA	GGAACTTTAC	ATTGCTGTTA	TCTTGTTACT
161901	TTGTAAGTAC	CATTATATCC	TTCGACTTTT	CAATCCTAAT	TGATTTTCTT
161951	GCTCCTAGGC	AATTGCCTTT	CATATCCTTT	AGAAAAAGCA	TTCCCTGAGC
162001	ACCACTTTTA	TCTTTCATCA	ACAGTCAATC	TTCAACAAAT	ATTTATCAGG
162051	CATCCATCTT	GCTGAGAAAA	GGGAATCCAG	TAGTGAGCAA	GACAGACTTG
162101	GTTCTGCCCT	ATAGAGCCTA	CAGTGAAGTT	TTCTCTTACC	CCAAAGTGTG
162151	TCATTACTCT	CTGTAGTGAG	TGGAATTATG	ACCCCCAAAA	GATATGTCTG
162201	CTTGGAAACCT	CAGAAGGTGA	CCTTATTTGG	AATAAAGATC	TTTGCAGATA
162251	AAATTAAGGT	AAGGATCTTC	GGGGGAGATC	ACCCTGGATT	ACAGTGGGCC
162301	CTGAATCCAG	TGACAAGTCC	TCATCAGAGA	AGAGAAAATA	AAACAGATAG
162351	AGAGATATAT	TAATACAAAG	AAGATGATGT	GAAGAGATTG	TAGTAATGCA
162401	CCTACAAGCC	AAGGAAGACC	AAGGATTGCC	AACAGCCACC	AGAAGCTAGG
162451	AAGGAGGGGA	GGCCTGGAAC	AGATTCTTCC	TCAGAGCTTC	CAGAAGGAAC
162501	CAACCTTGCC	AGTGCCCTGA	TTTTGGACTT	CTGACCTCCA	GAAATGTGAG
162551	AGAATAAATT	TCTGTTGTTT	TAAGTCACCA	AATTTGTGGG	ACTTCATTAC
162601	AGCAGGCCTA	GGAAACTAAA	ACACTTCTTG	TCTTAGTCTG	TTCAGGCTGT
162651	TGTAACAAAA	TACCATAGAC	TAGGTGGCTT	ATAAACAAAC	GAAATTTATT
162701	TATTACCATT	CTGGAGACTG	GGAAATCCAA	CATCAATGCA	TTGGCAGATT
162751	CAGTGTCTGG	CAAGGCCTTA	TTTTCTGGTT	CATAGATGAT	GACTTCTCAG
162801	TGCATCTTTT	ATAAGGTTAC	TAATCCCAAT	CATGAAGCCT	CCATTCTCAC
162851	AATCTCATCA	CCCCTCAAAG	GCTCCAACCT	CTAATATCAT	CACATTGGTG
162901	ATTACGTTTC	AACATATCAA	TTTAGGGGAG	ACACAAACAT	TAAAACCAAA
162951	CCATTTCCCT	TATTCACPTT	AAAAACATAA	ACCCTTTTAT	CTCATTTTTG
163001	TATAGCAGTC	AAGAGAACAG	GTTATTTTAG	CAGACTGTCT	GGGTTATAAT
163051	TCTATCTTTG	CCAATCATA	TGGCATTTTG	GTCAAATGCC	ATAAACCTCT
163101	GTCCTCAGT	TTCTCTACTT	GGTTAGTGA	AATCACAATG	ATATTGATGT
163151	CATAGCATTA	CTGTGAGGAA	TTTAAAGACA	CTTAGAGAAG	TTGCTGGAAT
163201	GTAGTGATTA	ATAATTATTT	TACTACTATT	TTACTAATTT	TCATTATTGT
163251	TAAAGGCTTA	CAGAATATTT	CACAACCAGT	CCAAACAGAA	ATGTTTTTTC
163301	TAATTGCTCA	CTTACCGTAA	GACTTTTATAT	CTCTACTATT	TTTAATCACA
163351	TATAGCCTTG	TGATTGTATT	TAACTTTACA	CATCGATGTA	TAGATCCATA
163401	AATATTTTACT	GAGAAACTGC	TAAGTTCAAG	GTATTTTGCT	AGTCATTTTG
163451	GGAAACTTGA	GCTAGAAATT	ATTTTTTTTAA	AGAAGCAAAA	ATTCTTTAGC
163501	AGCAAATGAA	CTTATTTCATG	CTCTCAAAAA	CTACTGTTTC	AGCACTCACA
163551	TGTGCCCGGC	ACTGTCCTGT	GCACTGAGGA	TTCAGGAGTG	AACAAAGCAG
163601	ACACAAATCC	CTGCCTCCAT	GGGAGCCTCC	ATTCAACTGG	GGGCGATGGA
163651	AAATAAACAG	ACAAATATGT	TGGAGGTTGG	GCTGGTGGGA	GGTATTTGGA
163701	TCATAGAGGC	AGATCCCTCA	TGAATGGCTT	AATGTCATCC	CTAAAGTAAT
163751	GAGTGATTTT	TCACTTGATG	AGTTCCAGAT	ATATCTGGTT	GTTTTAAAGA

163801 GTGTAGCTTC TTCCCCCTTC TTGTTCCCTT CTGTTGCTTC CTGTCTCACC
163851 ATGTGACACC CACTCCCCCT TCACCTTCTG CTATGATTTT AAGCTTCCTG
163901 AGGCCCTCAC CAGAAGTGGA CGCTGGCACA ACACCTTGCTG TACAGCCTGC
163951 AGAACCTTCA GCCAAAATAA ACCTCTTTTC TTTATAAATT ACCCATCCTC
164001 AGGTATTCTT TATAATTATA GTGATACAAG TGGACTAATA CGCTATGGTA
164051 AAAAGTTTATG TGGGGCATTG AATCTCTTAA TCCAGGGTAA AATTAGAAGA
164101 TAATCTTCCA ATTCTGAAGA CTAAAAGATC TCTAGAAATT ATGATTTTCAG
164151 AACAAAATAT AATTATTGTA AATATTACAA CATTTAACAA CATAAAAATA
164201 ACATGTCACC AAAATTGGGA GGTATGGAAA GGTGAGTTGG AAAAAAGCCT
164251 TAGTGACAG ACTTCTTTAA CAGCAGGAAA TCAATTAATA GTATCTAAAA
164301 TGAAACACA TAGCCAATAA AAGATACAAT GACTGCAGCC TCTTCACATT
164351 GTTATAATTA TTATTCTTAT CCTTACAGAG GTATGTTATT AACTAATATC
164401 TCTTGTGGTA AAGGAACAAT TATCTAAAGT TCAGCAACTA CTAGTTTCA
164451 GTTTTTTCTT TGATAATTTT AAAAAATACA TTTAATACCT AGAAAAAATA
164501 ATACTGTATT GATTTCTCAT TGCCGCTGTA ACAAATAATC ACAAACCTAG
164551 TGCTTAAGC AATGCAAATG GACTCTCTTA CAGCTCTGGA GATTAAAGT
164601 CCAAGATTGG TCTCACTGGG CTAAAATCAA GATGTCAGT GCCTGCATT
164651 CTTCTGGAGG CTCTAGTGAC CTTGCTGTTT CCAGCTCATA GAGCTCCTGC
164701 ATTCCTGGTT TGTGCCCTCC TTTCTCTATT TTCAAAGCTA GCAACACTGG
164751 ACCAAGCCCT TCTGATGCTG CCATCTCTCT GGTTCCTCCT CTCTGTGCT
164801 GTGCCCTCTT CTATTTTTTAA GGACTCTTAT AATTATATTG GGCCACCCA
164851 GGTAAATCCAG GATGATCTCC CTATTTTTTAA GGCAGCTAAT TAACAATCTT
164901 AATTCTATCA ATCTTAACTC TGCTTTTGCCA TGTAAGATAA CATATTCAAA
164951 AACTCTGGGG ATTAGGATGT GAACATTGTT TGGGGGTTAT TATTCTGCCT
165001 ACTACAAATA CTCTGAATTC TGATAAAAAA AATACAATGT TTA AAAAGAG
165051 AGTTAAGGAC AGTCTTTTCA ACAAATGATA TTAGGAAGAC TGGATATCTC
165101 ATGCAAAAGA ATAAAGCTAG ACCCTTACCT CATACCAAAA ATTA AAAATTA
165151 AAATAGATCA AAAACCTAAA ACTATAAAAA CACATAGAAG AAAGCTCATG
165201 ACATTGGATA TGACAGTAAT TTATTGATAT GACACCAAAA GTACCAGCAA
165251 CAAAAGAAAA CATAAACATG GATTTTCATCA AAATGAGAAA TTTTATGTA
165301 TCAAAGAACA GTATCAACAT AGTAAAGTGG CAACCCACAG AACGGGAGAG
165351 AATATTGCA AAGCACATAT CCAATAAGGG ATTAATATCC AGAATATATA
165401 AAGAACTCTT GAAACAACA ACAAATCAAA CAGCCCAATT AAAAAATGGA
165451 CAAAAGATTT GAATAGAAAT TTCTCCAAAG AAGATATACA GATGGCCAAT
165501 AAGCACATAA AATGATGCTC CATATCACTA ATCACTAGGA AAATGCAATT
165551 AAAAATCACA ATGAGATACG ACTTTACACC CATTAGAATG GCAACTATCA
165601 AAAAAACAAA TAACAAATGT TGGCCAGCAT GTGGTGAAAT TGGAACCTT
165651 ATGCACTGCT GGTGGGAATG TTAAGATGAG GTAGCTGCTG TATAAACAG
165701 TATGGTGATT CGTCAAAAAA TTAAACATGG AATTACCATA TTTTCCAGCA
165751 GTTCCACATG TGATTATATA CCTCCAAAA TTGAAAGCAG GGTCTCAAG
165801 AGATATTTGT ATACCGATGT TCACAGCAGC ACTATTCACC ATAGCCAAAA
165851 GGTGAAAAA ACTCAAATGT CCATTGATGG ATGAATGGAT AAACAAAGTA
165901 TAACATACAT ACAATGGAAT ATTATTAGC CTTGAAAAGG AAGAAAATT
165951 TGATACATGC CACCATGTAA TGAACCTTGA AGACATTATG CTACATGCAA
166001 TAAGCCAGAC ACAAGGGGAC AAATATTGCA TAATTCTGCT TTAATGAGCT
166051 ACGTATAGCA GCCAAATCA TAGAGACAGA AAGTAGAACT GTGGTTGTCA
166101 GGGTCTTGGG GGAAGGAAGT AATGGGGAGT TATTGTTTCA TGGTACAGAG
166151 TTTCCATTG GGAAGATAAA AAGTTCTGGA CAGGGATGGT GGTGATGGTT
166201 GCACAACAGT GTGATGTTGT GGTAAATCGC TGGTGTCCTC AGCTACTGAA
166251 TAAACTCTAG GTTAGCAGCT TTCAAACCTT TTGGCACCAG GACACCTTAA
166301 CACGCTTAAA AATTGCTTGG GACACTGAAG AGCTTTTGT TACATGGTTA
166351 TATCTATAGA TATATACCGT ATTAGAAAGT AAAACAGAAT TAAAAAATAG
166401 TCACTTAAAA ATAACAGTAA TAAATCTATA CATATTAACA TAAATTGCAT
166451 ACTTATCATG AAAGTTAACC ATGTTTCCA AAATAAAAAA TTTGTTTAAA
166501 GAAATGGTGT TAGTTTACAT TTTTACCTT TTTTACGGA CTAGCCTAAG
166551 AGAAGGCAGT GGTAGTCTCA TATCTGCTT GTATTAGTC TATTGTGATA
166601 TTACATGCCA TATAGCCTTT GGAAAACCTG CTATTAATGA TAGGACAAGA
166651 GTGAAAAAGG CAAATAACAT ATTGGTATTG TTAGAGTTTG GACTTCCTGA
166701 GTCTCAGAGA CTTCCAGGGG TTCTGGACC ACTGTTTGG AACTTCTATT
166751 CTAGGCATAA AATGACACTG CAAGAGCTAG CATTAATAT TACAGGATAT
166801 CATGAATAAT TTCTCCATT GTTCTGCACT ATTAACAAT TTTAATAAAC
166851 TGGAAAAGGA ATAATGAAGC AATAGGAATC CATTTCAATA ATAGGGTATG
166901 TAAGGTAAAA GCCCTACTTT ATTTGAATTT CATGGGTGTG AAATCATTA

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166951 TAAACAGAAT TAATGTTTTT AGTGTTATTG TAATGATCAT AAAATTCTAC
167001 ATTCTTACTG AGATTATGCA CTTTTATGCT TTAATAGATA TCATTTTATG
167051 TGCCTAGTAG GTAGGTGCAA GATCTTGAAA TTGTTGGGGG GCCTCCTATG
167101 GGGATAATTG TGTGATGAAG TACAATCATT TACTTAAATA TTTCTCCCAA
167151 GAGTTTGAGA GTTTCTAAAT GAATCAGCCA AATGCCTGGC TCCAGCATTC
167201 ACTAGGCACA GCAGTTTTTC ATCACTGAAG AATCTCAAAT AAGATGCAAT
167251 TGCCTGATAA ATAATTTTGT GTTACTTGTC AACTTTTCAA AAAAATAGTC
167301 CTTGGAAAGC TGTAGTATCA GCAAATGCAA TCAACACATT ACAGCAAGTT
167351 GATTTGCAGG TTTATCGTCA TGGAAATAAA ACTTTCAGAC ACTGGGAGGT
167401 ATGGTGACAG TGAAATGTTT TTCTGCCCCT AGTGGCATGG ATTTCAGAGA
167451 ATATCTTTAG ATGGATTGCT CTATGTCAGC ATTGACAAAT TGCAAGTATA
167501 GTTTTATTTT AGTTTTCCCA GTTATATTCT TAAATGAATG TATTCCTTTT
167551 GTTGTTTAAAT TTTCTCTTGT AAAGATATAT AGTTATTTTT AGTCGAATAG
167601 CTTATGAAAA ATTAGGTGTA TTTGACAAAG ACACCTAATG TACAATTGGA
167651 ATAAATGCAG TTCTAGTTGA ATGTACAGCA ATAGTATGAT GGGCCCAAAT
167701 TTATATTTCT ATATATATGC ACCTCTTCCA TTGTCAAGAT TTATTACATC
167751 CTAGAGAGTT TTCTAGGTGT TTTCAATAGG ATCCTATAAA TTCAGAACTT
167801 GGAGTCAGAA ATGCATAATA TTTCTTACT TCAACATTGA TAATGTTTCT
167851 CTTCCCCACT GTTCAAAATA GTCATTTTCA TTTTTTGAGT GAAGCCACAC
167901 AATATGTACA CTATTTACAT TGTTTTTATA AATTTATATT TTATAATTAA
167951 ATAATTATCT CAACATTTTA ACTGTGAACT TTGTGTTTTA AATTGAGTTT
168001 TAACAAATGA TTAGGAGAAA CTACAACATT TATTAATATC AAAATATATT
168051 TTCCCTTTT TTCTTCTTAA ATTTTCTTAA GAAACTGTCA TCCTACCGAT CATGCAACTG
168101 AATGCATCTT TTCAAGTTTG TTTTCTTATA TAGGAAATAT AAAGCAAGAA
168151 GTCTGCATGG TATAGTAAGA ATCAAGAGAT ACAGAGTGAA AAGATCTGAG
168201 GTTGAATCTA GCCTTCCTAC ACTGGCTGTG TGATGTCAGA CAAGTTCTGA
168251 AACTTTCCCA AGTTTCAACA CTGTCATCTA TAACATGGAT TCTGAGGTAC
168301 TATTACCAGG CTGCTCATGG TAATGAGCGT GGTAAGAACC TCCAGTTGCC
168351 CAACGCTGAG GAGCCCTCAT CTCATCTCAA GTGCTGCATT TGCCTCCAGC
168401 TAGTCTCTGT CCCGCAACGA GTTCATTCTC TACATGCCTA CCAAAGTGAT
168451 CTTTTAAAAA TGTAAGCAG AGTTTGCCAT TGCTTGCTTG AAACCTCTAT
168501 TAGCTTTCTG TTGTGTGTAG GATATACAAC AGAAAACTT TCACGTGGCC
168551 TATAAGGCCC CTGCCTGCTT GCTCTTCCCC ACCCCTCCTC CAACCTCACC
168601 CCATGCTACT AACTCCATC TCACTCCTGT TATGGTGACC AGCCATCCCA
168651 GTTTGCCTGA GATTTTCTTA GTTTAAGCAC TGAAAACAAG AATGATTGCC
168701 CACTACACTC CTGATAGTCC AGCCATATTG TTCTCTGGGT GTGCCACAT
168751 CTTTCCCATC TTTGAAATGT CTGTTTGTCT TGGAAGCCAC ATCATATGCC
168801 CTCACCATGT ACCTAGTTCA TGCCTATCCA TCCTTCAGGC CTCAGTTTAA
168851 AGGGCCTATT TGCAGAGAAT CCTTCCCTGA GTCACAGATA TAAATTAGAT
168901 CTCATGTGTT ATTCTTATAT TAGCACCCGC AGGGCTACTG CATACAGTTG
168951 TGCCTGCTGT GTGCTGCACA ACATCAGGGA CCTCCATAGA TGATGTGAAG
169001 GTGGTCCCCG GAGTTGTACC ATGAGTTGAT GCTGAAACAG TTCTTTTCTT
169051 TTATAGACCC TTTGTCAAGT GTGGTACATA TAATGTCTAC AAATTGTATA
169101 TATAAAGAAT ATATATTTCA GAATATATAT ATATATATAT ATATATATAT
169151 ATATAAAATT GAAGAAATTT TTATACACCC TATTGGTATG TAAGTTTCAT
169201 AAGTGTAGGA GCTCTGTCAA TTTTGATAAT TTTTATACCC ATTAACCGTA
169251 CAGTTAGTTA TTTGTAATAA GCGTCCGATA AATACTTGCT TAATGAATGA
169301 ATGGGAGCGT ATTTTATGTG GGTGTTGGTGA CTATTATATG TGATAATATA
169351 TTGAAAGTCC TTTGTAAGTT ATTATTATTT ATGATAAATA TTAAATAGAA
169401 TATGAAAAAT GATTATTAGT ACAATATCTA GGTTCTACTG TGATATAAAA
169451 CTCTTAAATG TCTTTTCAAA TACTCTATTA GCAGTCCTTA AGATTTTCCA
169501 GAGATATGCA ATGATAAGCA GATCAATGGA GCAAAGTAAA GAATCCAGAA
169551 CATTGCCTAA ATATGAGTTT AGTATATACA AATGCATTGT TTTATTTAGT
169601 GAAGAAAGAA GACATATTTA AATAAGTAGT CTTGGAAAAA TTGCCTGTTT
169651 GGAAAAAAA TAGATTCTTA CTGTATAACA CACACAAAAA TAAATTTTCA
169701 TGAATTAATA ATTTAAATAT TTAAGATATG AAACAAATAA TAAAAGAAGA
169751 TATTGAAGAA TAACCTCATA TTCTTGAGT AAGGAATTTT TTTATAATTA
169801 TGAAATAAAC CCAGAAGTCA TAAAAGACTT ACAGAATTGC CTATTTAAAA
169851 ATGCGAAATT TCTTTTTCCT TTTTCTTTTT TTTTGTAGAC AGTGTCTCAC
169901 TCTGCCACAC AAGCTGGAGT AGAGTGGCAT GATCTTGGCT CACTACAACC
169951 TCCACTTCCC TGGTTCAAGT GATTCTCCTG CCTCAGCCTC CTGAGTAGCT
170001 GGGACTACAG GTGGTGCCAC CACGCTGGGC TAATTTTTGT ATTTTATGTA
170051 GAAATGGGGT TTCACCATAT TGGCCAGGCT GGTCTCGAAC TCTTGACCTT

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170101 GTGATCCGCC CTCCCAAAGT GCTGGGATTA CAGGTGTGAG GCACCATGCC
170151 TGGCCACAAA ATTTCTTTTC TTTTCTTTTC TTTTTTTTTT TTTTGTCTGT
170201 TGCAAGATTT AATAGAGTGA AATAGAGTGA AAACAGAGCT CCCATACAAA
170251 GGGAGGGGAC CCAAAAATGG TAGCCATTGC TGGCTCCAAT GCCTGGGTTT
170301 ATAACCCCAAT CATTGTCCCT CCCACTGTGT TCTCAGGCGA TAGATGATTG
170351 GCTATTTCTT TACCTCCTGT TTTAGCCTAG TTACCATTTT AGTGAGCTCT
170401 CTTTCTACC TGATTGGTCA GGTGTGAGCT AAGTTGCAAG CCCCAGGTTT
170451 AAAGGTAGAA GCAGTCACCT TCCCAGCTAG GCTTAGGGAT TCTTAGTCAG
170501 CCTAGGAAAT CCAGCTAGTC CTGTCTCTGA GTACCCCTC TCAACAGGAA
170551 AACCCAAGTG CTGTTGGGGA GGATGGCCGA TGACTGCTCT AACTGCTTCC
170601 TGGTGAATTG GGGCGTAGTG GGGGTTATGC AGTTGAGATT TCCTCTGGAG
170651 GGGTGTCTTC GAGTCATTA ACATCGGAGC ATGGGCTAGC AGGCCGGTCC
170701 AGGGGTCTGC GGTAGATCTT AGTCATGGAC TCGCTCTGGG GCTCCATTTG
170751 AAGAACAATT TGAGTTTTTA GAGCTTCAAT TTTGGAAGAG ACAAACCTAA
170801 CAAGGAGGTT AAAGATACAG GGATTGAAAT GTATGGCCTG AAGTGCAGGG
170851 GATTATTTCT TTGGGACACT TCACAGGCCC TGACTATCTG CTTGATAGTT
170901 TTGAAAAGGC CTGGCCAGT AAATAATAAT TTGGCCATCT GATGGGTACT
170951 ATCAATGCCT AAGTGAAGG TTAGGTGAAG GGTTTTAAGT AATTTCTATT
171001 GGTTAGCTGC AGGCCAAATA TTTTCTCTTC TCTGGTGGCT AGCCATCTGG
171051 AGGGGAGGGA AGTATGTCCT CGTGAGGTTT CCTATTCTAT TTTTCTGCT
171101 GAGTACTGGG ACTTGGTTTC CCGAGTGGA TTACCCATA CTAGGGGTCC
171151 TTCTATAAGC ATTTCTAATG GAGGGTCCTG CCTTGCAGCT CTTTGTACTT
171201 CAATATCTGC TTGGCGGTTT CCTTCTATTT CCCTTTCCTT TCCTTTCTGA
171251 TGATGATGGC AGTGAAGAC TGCCACCTCT TCAGGTTTCT GTACAGCCAA
171301 TAATAATCTC CTAATGGCTT CTGATGTTT GATAGGTGTT CCCTCGAAAT
171351 TAGGAATTCC CTTTCTCTCC ATATTGCTGC ATGGGCATGG AGGACTAGGT
171401 AAGCATACTT AGAGTCTGTA TATATATTTA CCCTTTTTCC CTTCTCTTAA
171451 TTCTAGTGCC CGAGTGAGGG CTGTTAGTTT TGCCAGCTGA GCACTAGTTC
171501 CTGGAGTGAG GGGTTTACTT TCAAGTATTC CATTATCACT GACCACTGCA
171551 TACCCTGCTT TTCAAAGTCC TTTTCTACA AAGGAACTTC CATCAGTATA
171601 CAAGCTGAGG TCGGGATCAG TCAAGGGACC CTCTAAAAGG TCCCTTCAAG
171651 TGGCATAGGT TTGAGCAATT ACTGTTGAC AGTTACATTG TATCTTTTCT
171701 TCATTGTCTG GAAGAAATGT GGCTGGGTTA AGAGTTGCAC AAGTGCGCAG
171751 TCACAGCACT GGACCTTCAA GTAATAGAGC CTGATATTTA AGTAAACAGT
171801 TGTCTGACAG CCACAAGTCT CCTTAGCAG TGAGTATGCC ATTCACATCA
171851 TGAGATGTCC ACACAGTAAG ATCTCTTCCC TGTATCATTT TAACTTTTTC
171901 AGATACTAAG ACTGCTACTG TCGCCAATAC CCGTAAACAA TGTGGCCAAC
171951 TCTTTGCCAC TACATCAGTT TCCTTACTCA GGTATGCCAT GGGTTGCAAG
172001 CTCATCCCTC GGACCTGTGT AAGGACTCCT AGAGCTATTC CTGTTTTTTC
172051 TGTGACTTAT AAAGAAAAGT CTTGTCCCGT TGGCAAGCTT AACGCTGGGG
172101 CTTGGGTTAG GGCCTTCTTT AGAGCCTGGA AAGCTGCTTC TGCCTCAGGT
172151 GTCCATCTTA CTAAATGGGT ATTGGCTTTC TGAGTTTCCT TAATTATATA
172201 ATGTTCTGGC TATTTCCGCG TACCTGGGAA TCCATATTCG GCAGAAACCT
172251 GTTATGCCAA GGAGCCCTTT TAGTTGCTTT AGGGTTTTTG GATGAGGACA
172301 AGCCAGTATA GAGCTGATAC GTTCTCCTC GAGTGCCCTG GTGCCTTTGG
172351 ATAATTTTGC CCCTACGTAT TTAACCTGCT ATGAGCAGAG CTGAGCCTTT
172401 GGTTTGGAAA CTTGTAGGCC ACAGGTAACG AGGAAATTTA GCCTTGCCGC
172451 AAAATTTCTA TATAGCAAAA GACATAATAA AGATAAAAAG CAAATGAGAA
172501 ATAACAAATT AAGAAAACAT TTGCAATTCT TACAATATAT ACAGGTTATA
172551 ATGTATAAAA TATATGTTCT ACCTACCCCT TTAAATTAGG AAAAAAGAA
172601 AACCCAACAG AAAAAAGAG AGAGGAAATT ACCAATTTCA TGAAGAATCT
172651 CACAAAAGGC TAATAAAGG TGATTCAACC TTATTAAATA AATAAAAATA
172701 AAATAATAAT ATATCACAGT TTTGTAACAA TGGAAAGATT TACAAGACAG
172751 AATATACAAAT GTTAACAAAA GTGTGGGGGA AAACAGGACT TTTATACATT
172801 GTTGGTAAAA TGCATAATAG TTTTGAAGAA ATATTTTACA ACTTTTTTAA
172851 AAATTAACAT TTTTATTCAA CAGTTTTTTA AAAAATATCA TATGTAAAGA
172901 ACTCTCTGGG TGTGAGAAAT ACAATGCTTT TTTTTTTTAA GTCCCTAACC
172951 TCTTGGAAATA TAACATTCTG GAGGAGAAGT TAGAAAAATGA ACAAAAAACT
173001 ACAAATAGAA GTAAAAATATA ATATCTTATA AAACACAGTG GCATTCTACT
173051 TCTGATAATG TAGGCTGGGT AATGCCAGCA AGATTTAGT AGATTAGACT
173101 AGACTAGTTT TCATAAAGCT TATATACCAC TAAAGCAGAA ATTAATGAAC
173151 TGAAAGAAAG GTGAGAATAC ATTAGAATAC TGAGAGTAAA AACAGGGAAT
173201 TACAGAAGAA AGGGCAAAAG ACCGGGGAAA CACAGTGAGA TCTAATATCA

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173251 CTTAACTGAA GTCTCAGAGA GAAACAGTAT TTCAGGAAAT AACAGGGGAA
173301 AATTTTCCAG AATTGATGGA TATCATTCAA TAGATTCAAG AGACTGAAGA
173351 ATACCGAGTA ACAAATACAA GAAATCTATA GCTTGATATA TCATATTAAA
173401 ACTTCAGACA ACCAAAGATG TAGAGATTCT TGAAAGAATC CAGAGAAAAA
173451 CCAATAAATT ACTTTCAAAC AAGTGACAAG GAAACTAATT GCTAATCTAA
173501 ATAGCAATAA AGAAACGCAT AAGTAATTGA CATCTTCTGT GTACTGAAAG
173551 AAAGTAACTT CCAACCTGTA ATTATAGAG TAAATCAAGG TAATGAAAAAT
173601 TAAAGTCCAC ACTGAGATAC CACTACGTAC CACTCAGGAC AAAAATGTAA
173651 AAGTTTGATA ATACCAAGTG TTGTTAAGGA TGTGGAACTA CAAAGACAAA
173701 TTATGCTTCC ATTACTGGTG GGAGTATAAA TTGATGCCTC TTCTTTGGAA
173751 AATAGCTCTT GGCACTTCTT AATAAAGATG CATACCCTAT GACTCAATAA
173801 TTTTACTCCT GGGTGTATTC CTTAGAAACA TGTATGCTTA TGTGTGAAC
173851 CAGCCCAACA GTCTATAGA CAATTGTTTT GGGATAAACA TAGAAATTGA
173901 CCCTTCTGCT CTAAAGCTT GAAACTTGTC TTTGTTTTAT CTGAGTTTCT
173951 TTCTCAGGAA AGGACTATCA GGCCTCTCAA AAAAGTATCA AAGAACCAAA
174001 ACTCACGAGA TGCCTCAAGC CCCCCTGTAG TTCTTGCTTT CTTACACATT
174051 GTTACATTTT TCCCTGCTA TATAAACCTT AGAGTTAGTG AGCCAGGGAG
174101 ATGGAATTGA GGCTGAGCTC CCATCTTTTT GGCTGCAGCA CCCGATTAAA
174151 GCCTTCTTCC TTGGTGTACT CATTGTCTCA GTGATTGGCT TTCTGTGCTG
174201 CGAGCAGCAG GACCTAGACC GAACCCCTGG TGTTCGGTA ACATGTCAC
174251 CAGGAGACAT ATACAAGAAT GCAGTAATAG CCTCTAGAAA CAATGAAATG
174301 CCTATTAATA GCATAACAA TAAATTATAG CATATTCTTA CAATGGGATG
174351 CTCTATAGCA ATAAAAGTAA ATGGACCTCA GCTCTCTGTA ACAACATAGA
174401 TAAATCTTGT AGACATGATA TAACTAAAAG AAGCAAGATA TGAAAGATTC
174451 CCTAAGATAT AATTTCTTTT ACATAACCAT TAAACCAGAT AAGCCAGAGT
174501 ATATCATTTA GGAATTATAT ATATAACTAT ATATATATAT ACTTTCATAT
174551 ATATATATAT ATGAAACTAT AAAGAAAAGC AAGGACGTGC TTACCATAAA
174601 AGTTAAATA TTGGTTATTT CTAGAGTGAA AAGCAGGCTT ACAAATAGGA
174651 AGGGATGTGG AATATCGGAA TGTGGGTGAT GCATTTGGGC CACTGGTTAA
174701 TTTTAACTTT CTCGACCTAT ATAGTAGTTT TGCAAGTATT TGCTTTATAT
174751 TTATTATATT GCACTTCTTT GGTATTGTTT GGGAGGTATC ATTTTAGTAG
174801 AAACAAAGGA AATGAGAGAG CAACTCTGT ACATATCTAG GGGAAATGTT
174851 CTCTCTGACA GAAATGTGCC TCTCCTTTTA CCCAGCATTT TCTTGTAGTA
174901 GTTTATCATC CAGAAATACC TCTACAAACT TTGCAAAGTT ATGTGTTTCA
174951 CACAACATTG AAGTGTGTA GTAAATTTAG GTTGAGAGTT TATCATGAGT
175001 GGAGATTTTT CTCTGAGCAA ATGCTAAACA GCAGGTTGTA GGAATGTCCC
175051 TCCAGTCATT TTTTTTTTCT TTCTGGCAGG CATCCTGTAT AACTACTCCA
175101 GACCAATTTA ATGTTAATTT CTCATGAAAT CCTACAGCAC ATGAGAAATG
175151 TAAATTCAGA TTTTATTTTT ATTTTATTTT ATTTTGAGAC AGAGTCTCGT
175201 TCTGTCGCCC AGGCTGGAGC GCAGTGGCAC AATCTCTGCT CGCTGCAATC
175251 TCTGCCTCAC CGGATTCAGC CGATTCTCTG CCTCAGCCTC CTGAATAGCT
175301 GGGATTGTAG GTGTGCACAA CCACACCTGG CTAATTTTTG TATTTTTAGT
175351 AGAGACGGGG TTTACCATTG TTAGCCAGGA TGGTCTCGAT CTCCTGACCT
175401 CATGATCCAC CCACCTTGGA CTCCCAAAGT GCTGGGATTA GTGTGAGCCA
175451 AGGGTCCATT CCAAGAGGGC GGAATAGGAA CAGCTCTGGT TTGCAGGTCC
175501 CAGCATGATC AACGCAGAAG ACAGGTGATT TCTGCATTTT CAACTGAGAT
175551 GCCTGGTTCA TCTCATTGGG ACGGGCTGGA CAGTGGGTGC AGCCACGGA
175601 AGGCAAGCTG AAGCAGGGCA GGGCATCACC ACACCTGGGA AGTGCATGGG
175651 GTCAGAGGAT TTCCCTTTCC TAGCCAAGGG AAGCCCTGAC AGACTGTACT
175701 GGGAAAATCG GGACACTGCC ACCTAAACAC TGCATTTTTA CAATGGTCTT
175751 AGCAAACGGC ACACCAGGAG ATTATATCCA GCACCTGGCT CAGCAGGTCC
175801 CACGCCCATG GAGCCTTCCT CACTGCTAGT CCAAGATCAA ACTGCGAGGT
175851 GGCAAGCCTG GCATCTAAGA CACCAAAAGC AATAGCAACA AAAGCCAAAA
175901 TAGACAAATG GGATCTAATT AACTAAAGA GCTTCTGCAC AGCAAAAGAA
175951 ACTACCATCA GAGTGAACAG GCAACCTACA GAATGGGAGA AAATTTTTGC
176001 AATCTACCCA TCTGACAAAG GGCTAATATC CAGAATCTAC AAAGAACTTA
176051 AACAAATTTA CGAGAAAAAA ATCAAACAGC CCCCTCAAAA AGTGAGCAAA
176101 GGATATGAAC AGACACTTCT CAAACGAAGA CATTGCGCA GCCAACAGAC
176151 ACATGAAAAA ATGTTTCATCA TCACTGGCCA TCAGAGAAAT GCAAATCAAA
176201 ACCACAATGA GATACTATTT CACACCAGTT AGAATGGCAA TCATTAAAAA
176251 GTCAGGAAAC AACAGGTGCT GGAGAGGATG TGGAGAAATA GGAATACTTT
176301 TACATGTTG GTGGGAGTGT AAACCTAGTT AACCATTGTG GAAGGCAGTG
176351 TGGCGATTCT TCAGGGATCT AGAACTAGAA ATACCATTTG ACCCCGTGAT

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179551 GATGACAATG ATTTTCTGAG AATGACTGAG GAGAACTCTA CCAGAAAATT
179601 GTAGACAGTT TACCATGAAT ACTTAGAGAT AAAGAGCTTT TCCAGATAGG
179651 CTGTAAGATA TAGTAGTTGC AAGTTTCTAT TTGTTAAGAA ACTGTTTTTA
179701 TTTTAAACT TAACAAAGGT TTAATAGCTT TAACATTTAA AAAATTTATG
179751 CACAAATACC TTGGTCCTAA GCCAAATATT AACAAGTCAC AGAGCAAAAA
179801 GTAAACAGC TAATAAAAAT ATTAGAATCG TTAGAGTTCA CTCTTAATTT
179851 TTAATTTTCA ATTAATGA ATACAATAAC ACATTTATCT ATCACACAAG
179901 CAAAAATTAA AGTAAGAAAC AATAAAAATA TGCATCACTA GAGGGCTAAC
179951 ATTACAGGTA CTGCATCATT CCCTTAACAT GCATTGTTTT ATTTATTTAT
180001 TTTTTTATTA TACTTTAAGT TCTAGGTAC ATGTGCACAA CGTGCAGGTT
180051 TGTTACATAT GTATACATGT GCCATGTTGG TGTGCTGCAC CCATTAAGCT
180101 GCACCCATTA AGTCATCATT TATATTAGGT ATTTCTCCTA ATGCTATTCC
180151 CTCCCCATC CCCTCACCCC ACGACAGGCC CCACCCTGTG TCTAAGTGTT
180201 CTATTGTTTC AATTCACCAC TATGAGTGAG AACATGTGGT GGTGTTTTT
180251 CTGTCCTTGT GATAGTTTGC TGGGAATGAT GGTTCACAGC TTCATCCATG
180301 TCCCTACAAA GGACATGAAC TCATCATTTT TTATGGCTGC ATAGTATTCC
180351 ATGGTGTATA TGTGCCACAT TTTCTTAATC CAGTCTATCA TTGATGGACA
180401 TTTGGGTTGG TTCCAAGTCT TTGCTATTGT GAATAGTGCC ACAATAAACA
180451 TATGCGCACA TGTGTCTTAA TAGTAGCACG ATTTATAATC CTTTGAGTAT
180501 ATACCCAGTA ATGGGATGGC TGGGTCAAAT GGTATTCTTA GTTCTAGATC
180551 CTTGAGGAAT CGCCACACTG TCTTCCACAA TGGTTGAACT AGTTTACAGT
180601 CCCACCAACA GTGTAAAAGT GTTCTTGGCT GGGCACGGTG GCCCATGTCT
180651 GTAATCCCAG CACTTTGGGA GGCTGAGGCG GGTGGATCAC GAGGTCAGGA
180701 GATCGAGACC ATCCTGGCTA ACACGGTGAA ACGCTATCTC TACTAAAAAT
180751 ACAAAAAATT AGCTGGGCGC GGTGGCAGGC ACCTGTAGTC CCAGCTACTC
180801 AGGAGGCTGA GGCAGGAGAA TAGCATGAAC CCAGGAGGCT GAGCTGCGAG
180851 TGAGCCGAGC CTGGGTGCAC TCCAGCCTGG GTGAAAGAGT GAGACTCTAT
180901 CTCAAGAAAA AAAAAAAGTG TTCCTATTTT TCCACATCCT CTCCAGTACC
180951 TGTGTTTTTC TGACTTTTTA ATGATCAACA TTCTAACTGG TGTGAGATGG
181001 TATTTTCATG TGGTTTTGAT TTGCATTTCT CTGATGGCCA GTGATGATGA
181051 GCATTTTTTC ATGTGACTGT TGGCTGCATA AATGTCTTCT TTTGAGAAGT
181101 GTCTGTTTAT ATCCTTTGCC CACATTTGAT GGGGTTGTTT GATTTTTTCT
181151 TGTAATTTTG TTTAAGTTCT TTGTAGATTC TGTATATTAG CCCTTTGTCA
181201 GATGGGTAGA TTGCAAAAAT TTTCTCCCAT TCTGTAGGTT GCCTGTTTCA
181251 TCTGATCGTG GTTTCTTTTG CTGTGCAGAA GCTCTTTAGT TTAATTCGAT
181301 CCCATTTGTC TATTTTGGCT TTTATTGCCA TTGCTTTTGG TGTTTTAGTT
181351 ATGAAGTCCT TGCCAGTACC TATGTCCTGA ATGGTAATGC CTAGGTTTTT
181401 TTCTAGGGTT TTTATGGTTT TAGGTCTAAC ATTTAGGTCT TTAATCCATC
181451 TTGCATTAAT TTTTGTACAA GGTGTAAGGA AGGGATCCAG TTTCAGCTTT
181501 CTACATATGG CTAGCCAGTT TCCCAGCAC CATTTATTAA ATAGGGAATC
181551 CTTTCCCCAT TTCTGTTTTT TGTCAGGTTT GTCAAAGATC AGATGATTGT
181601 AGATGTGTTA TTATTTCTGA GGGCTCTGTT CTGTTCCAAT GATCTATATC
181651 TCTGTTTTGG TGCCAGTACC ATGCTGTTTT GGTACTGTA GCCTTGTTAT
181701 ATAGTTTGAA ATCTGGTAGC ATGATGCCTC CAGCTTTGTT CTTTTGGCTT
181751 AGGATTGTCT TAGCAATGTG GGCTCTTTTT TGGTTCCATA TGAACTTTAA
181801 AATAGTTTTT TCCAATCTG TGAAGAAAGT CATGGGTAGC TTGATGGGGA
181851 TGGCATTGAA TCTATAAATT ACCTGGGCA GTATGGACAT TTTCACGATA
181901 TTGATCTTTC CTATCCATGA GCATGGAATG TTCTTCATT TGTGTTGTC
181951 CTCTTTTATT TCGTGGAGCA GTGGTTTGTA GTTCTCCATG AAGAGGTCCT
182001 ACACATCCCT TGTAAGTTGG ATTCCTAGGT ATTTTATTCT CTTTGAAGCA
182051 ATTGTGAATG GGAGTTCAT CATGATTTGG CTCTCTGTTT GTCTGTTATT
182101 GGTGTATAAG AATGCTTGTG ATTTTTCAC ATTGATTTTC TATCCTGAGA
182151 CTTTGCTGAA GTTGCTTATC AGTTTAAGGA GATTTTGGGC TGAGACGATG
182201 GGGTTTTCTA AGTATACAAT CATGTCGTCT GCAAACAGGG ACAATTTGAC
182251 TTCTCTTTT CTAATTGAA TACCCTTTAT TTCTTTCTGT TGCCTGATTG
182301 CCCTGGCCAG AACTTCCAAC ACTATGTTGA ATAGGAGTGG TGAGAGAAGG
182351 CATCCCTGTC TTGTGCCAGT TTTCAAAGGG AATGCTTTCA GTTTTTGCCC
182401 ATTCAGTATG ATATTGGCTG TGGGTTTGTG ATAAATAGCT CTTATTATTT
182451 TGAGCTACGT CCCATCAATA CCTAGCTTAT TGAGAGTTTT TAGCATGAAG
182501 GGCTGTTGAA CTTTCTTGAA GGCTTTTTCT GCATCCGTTG ATGCAGAAAA
182551 GAGATAATCA TGTGGTTTTT GTCTTTGGTT CTGTTTATAT GATGGATTAT
182601 GTTTATTGAT TTGCATATGT TGAACCAGCC TTGCATCCCA GGGATGAAGC
182651 CAACGTGACC GTGGTGGATA AGCTTTTTTG ATGTGCTGCT GGATTGTTT

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182701 TGCCGGTATT TTATTGAGGA TTTTGTATT GATGTTTCATC AGGAATATTG
182751 GTCTAAAATT CTCTTTTTTT GTTGTGTTTC TGCCAGACTT TGGTATCAGG
182801 ATGATGTTGG CCTTGTAATA TGAGTTAGGG AGGATTCCCT CTTTTCTAT
182851 TGATCTATTG ATTGGAATAG TTTCAGAAGG AATGGTACCA GCTCCGCTTT
182901 GTACCTCTGG TAGAATTTGG CTGTGAATCC ATCTGGTCCCT GGACTTTTTT
182951 GGTGGTAGG CTATTAACCTG TTGCCTCAAT TTCAGGGTCT GTTATTGATC
183001 TATTCAGGGA TTCAACTTCT TCCTGGTTTA GTCTTGGGAG GGTGTAAATG
183051 TACAGGAATT TATCTATTTT TTTTATATTC TCTAGTTTAT TTGCATAGAG
183101 GTGTTTATAG TATCCTCTGA TGGTAGTTTG TATTTCTGTG GGATTGGTGG
183151 TGATATCCCC TTTATCATT TTTATTGTGT CTATTTGATT CTTCTCTCTT
183201 TTCTTCTTTG TTATCTTTC TAGCATCTAT CTATTTGTGT GATCTCTTCA
183251 AAAAACCAGC TCTTGGATTC ATTGATTTTT TGAAGGTTTT TTTGTGTCTC
183301 TATCTCCTTC AGATCTGCTC TGATCTTAGT TATTTCTTGC CTTCTGCTAG
183351 CTTTGAATG TATTTGCTCT TGTCTCTCTA GTTCTTTTAA TTGTGATGTT
183401 AAGGTGTCAA TTTTAGATCT TTCCTGCTTT CTCCTGTGGG CATTTAGTGC
183451 TTTAAATTTT CCTCTACACA CTGCTTTTAA TGTGTCCAG AGATTCTGGT
183501 ATGTTGTGTC TTTGTTCTCA TTGGTTTCAA AGAACATCTT TATTTCTGCC
183551 TTCATTTTGT TATTTACCCA GGAGCAGGTT GTTCGGTTTC CATGTAGTTG
183601 TGTGGTTTTG AGTGAGTTTC TTAATCCTGA GTTCTAGTTT GATTGCACTG
183651 TGGTCTGAGA GACAGTTTGT TATAATTTCT GTTCTTTTAC GTTTGCTGAG
183701 GAGTGCTTTA CTTCACACTA TGTGGTCAAT TTTGGAATAA GTGCAACGTG
183751 GTGCTGAGAA GAATGTATAT TCTGTTGATT TGGGGTGGAG AGTTCTGTAG
183801 ATGTCTATTA GGTCTGCTTG GTGCAGAGCT GAGTTCAATT CCTGGATATC
183851 CTTGTTTAAT TTTCTGTCTCA TTGTTCTGCC TAATGTTGAC AGTGGGGTGT
183901 TAAAGTCTCC CATTATTATT GTGTGGGAGT CTAAGTCTCT TTGTAGGTCT
183951 CTAAGGACTT GCTTTATTAA TCTGGGTTCT CCTGTATTGG GTGTATATAT
184001 ATTTAGGATA GTTAGCTCTT CTTATTGAAT TGATCCATTT ACCATTATGT
184051 AATGGCCTTC TTTGTCTCTT TTGATCTTTG TTGGTTTAAA GTCTGTTTTA
184101 TCAGAAACTA AGATTGCAAT CGCTGCTTTT TTTTGTTTTC CATTGCTTAA
184151 GTAGATCTTC CCCCATCCCT TTATTTTGAG CCTATGTGTG TCTCTGAATG
184201 TGAAATGGGT CCCCTGAATA CAGCACACTG ATGGGTCTTG ACTCTTTATC
184251 CAATTTGCCA GTCTGTGTCT TTTAATTGGG GCATTTAGCC CATTTACATT
184301 TAAGATTAAT ATTGTTATGT GTGAATTTGA TCCTGTCAAT ATGATGTTAG
184351 CTGGTTATTT TGCCCACTAG TTGATGCAGT TTCTTCCTAG CATTGATGGT
184401 CTTTACAATT TGGCATGTTT TTGCAGTGGG TGGTACCAGT TTTCCTTTCC
184451 ATGTTTAGTG TTTCTCTCAG GAGCTCTTGT AAGGCAGGCC TGGTAGTGAC
184501 AAAATCTCTC AGCATTTGCT TGTCTGTAAA GTATTTTATT TCTCCTTCAT
184551 TAGTGAAGCT TAGTTTGGCT GGATATGAAA TTCTAGGTTG AACATTCTTT
184601 AAGAATGTTG AATATTGACC CCCACTCTCT TCTGGCTTGT AGAGTTTCTG
184651 CTGAGAGATC TGCTGTTAGT CTGATGGGCT TCCCTTTGTG GGTAACCCAA
184701 CCTTTCTCTC TGGCTGCCCT TAACATTTTT TCCTTCATTT CAACTTTGGT
184751 GAATCTGACA ATTATGTGTC TTGGGGTTGC TCTTCTTGAG GAGTATCTTT
184801 GTGGTGCTCT CTGTATTTCT TTAATTTGAA TGTGGCCTG CCTTGCTAGG
184851 TTGGGGAAGT TCTTCTGGAT AATATCCTGC AGAGTGTTTT CCAACTTGGT
184901 TCCATTCTCC CCGTCACTTT CAGTTACACC AATCAAACAT AGATTTGGTC
184951 TTTTCACATA GTCCCATGTT TCTTGGAGGC TTTGTTCAAT TCTTTTTACT
185001 CTTTTTTCTC TAAACTTCTC TTCTTGCTTC ATTTCACTCA TTTAATCTTC
185051 AACCACATGAT ACCCTCTCTT CCACTTGATG GAATCGGCTA CTGAAGCTTG
185101 TGCATGCGTC ACGTAGTTCT TGTGCCATGG TTTTCATCTC CCTCAGGCCG
185151 TTTAATGTCT TCTCTACACT GTTTATTCTA GTTATCCATT CTTCTAATCT
185201 TTTTCAAGG CTTTGTAGCT CCTGGGTTCT AACATCCTCC TTTAGCTTGG
185251 AGAAGTTTCT TATTACCGAT CTTCTGAAGC CTAATTCTGT CAATTCGTCA
185301 AAGTCATTCT CTTCCAGCT TTGTTCAAGT GCTGGCGAGG AGATGCGATC
185351 CTTTGGAGGA GAAGAGGCGC TCTGGTTTTT AGAATTATCA GACTTTCTTC
185401 TCTCGTTTCT CCCCATCTTT GTGGTTTTAT CTACCTTTGA TCTTTGATGA
185451 TGGTGACCTA CAGATGCGGT TTTGGTGTGC ATGTCCTTTT TGTGATGTT
185501 GATGCTATTT CTTTCTGTTT GTTAGTTTTT CTTCTAACAA CCAGGACCCT
185551 CAGCTGCAGG TCTGTTGGAG TTTGCTGGAG GTCCACTCCA GACCCTGTTT
185601 CCCTGGGTAT CACCAGCGGA GGCTGCAGAA CAGCAAATAT TGCAGAACAG
185651 CAAATATTGC TGCCTGATCC TTCCTCTGGA AGCTTCGTCT CAGAGGGGCA
185701 CCCGGCTGTA TGACGTGTCA GTCGGCCCCCT GCTGGGATGT GTCTCCCAGT
185751 TAGGCTGCTC GGGGGTCAGG GACCCACTTG AGGAGGCAGT CTGTCCATTC
185801 TCAGATCTCA AACTCCGTGC TTGGAGAACC ACTGCTGTCT TCAAAGCTCA

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185851 GTTGGAATG CAGAATCACC CATCTTCTGC ATCACTCGCG CTGGGAGCTG
185901 TAGACTGGAA CTGTTTCTAT TAGGCCATCT TTGTTAAGAA ACTGTTAATT
185951 ACCCTTGCCA AAAAGTCAAC ATCTAAATGT CAAGATGTTT CTTAGTACTA
186001 GAAGAGGCCT GGAATTCTAC TGTTAGGGAC TTTTGCAGCC TGCATGGAAG
186051 ATCTGAGTTC TGTTTGCAA CTTTATTCTC TGTCAGATTT CAAGTTGCAA
186101 AATAATTCTC CTGTTAGATC CTGTGATAGT TAATTTTATA TGTCTATTTG
186151 GCTAGGCCAT GGTAGTTTGG TCCATCACCA GTCTAGATGT TGCTGTGAAG
186201 GTGTTTTTAA GATGCAATTA ATATTTTTAT ATCAGTAGAC TTTGAGTAAA
186251 GCAGATTACT CTTGATAATG TCATAATGTG AGTGGGCCTC ATCCAATCAG
186301 TTGAAAGCTT TAAGAGAAGA AGACTGATCT TCCCCAAGA AGAAGGAATT
186351 CTGTCTCCAG GGTCTCTTTG GACTTAAGGT TGCAACATTA ACTCTTTTCT
186401 GAGTGTCAG CCTGTTGCCC TACCCTCATG GCCTACCTTG CAGATTTTGG
186451 ACTTGCCAGC CCCATAATT GCATGAATGT GAACCAACTC CTTAAACCCC
186501 CCATGCCACC CATCTCCACA CACACACACA CACACACACA CATCCCATCT
186551 TGCTGTGTTA AGTTTGCTC TTCACATTGG TGAGCCGAGA ATGTCCTTAG
186601 GCCAGCAAGC ATGTTCTAGC AGTTTCCTGA CTGCCTCCAG ATGGCCGGTT
186651 AACAGAAGGG TGCTGCCAAT GGGAGACAAA TGTTTTCCAG GAGACCAGAG
186701 GTGGAAGA GAAATTATGA TGTTAGGATT TTATTGAAGA GAAACTCTCA
186751 TTTGGCTTAC AAGGTGTTCT GTCTGCCAGC AATTATACAA GTTGCTAAGT
186801 GCATTCCAAT GTACATGACA GAAACTTTGT TAATGAGAAA ATACAACGAG
186851 AAAAAAGTAA AAGAGAGGAG GGAGAGGCCG CCTATGGTAG TAATTTAAAT
186901 CCTTCAGCTG TGGTGGTCTT AGTTAGAATC TTTCTTTTGT GCAAAATATT
186951 GGTGGCCAGC AACAGAAATC AGTGGTCTAT TCTTTTACTA CTCTAAGTGT
187001 GGTGTTGGA CTAGCAGCAT CTCCATCACC TCGAAGCATG TCAGAAATGC
187051 AGAATCTCAG GCCCTACTCC AGTCCTGCCA ATCTGAACCC AGAGTTCATC
187101 AAGTTCCTCA GATGATTCAT GTGCACACTG GTTGTAATGC AGTACATGTT
187151 TTTGTCCCCC CAGATTCATC ATATTGAAAC CCTAATCCCC AGTGGGATGA
187201 TATTTTCGAA TGAGGCCTTT AGGAGGTGAT TTGGTCATGA GGGTAGAGCC
187251 CACAGGATGG GATTAGTTCC GTTGTAAGTA GAGACATGAG AAAGCTGGCT
187301 TCCTGTCTCT ATGTTTCCAT GCTCTCCAC CATATGAGGA TACAAGAAGA
187351 GGACAGCAGT CTGCAAATCA GGAAGGGAGC CTTCAACCAG ACACTGAATC
187401 TGCCAGCACC TTGACCTTAG ACTTCCCAGC CTTCAAAACT GTGAGAAATA
187451 AATTTCTGTT GTTTAAGCCA CCTAGTCTAT AGTATTCTGT TACAGAAGCC
187501 CAACTAATCT AAGATATTGG TCTAGTTTAT TACTCCTTGT CGTAAATTTG
187551 TAAGTCTTAA TGCAGAAAAG TAACCTGAAA TCATTTCAGT CAGGCTCTGG
187601 TTTTAAGGTT GGTGAGTTAT CACCATCCCA TTCTACAGT AAGACACCTA
187651 AGGCCTGGGA GCTTAAACCA GTTGCTTAAA GTCATAGAAC GAGTTGTCTT
187701 CTGCCTCCAA ACACAGCACA TCCCCTATG TACCAAATTT TTCAGAGTCT
187751 CTGTGAAGTC TTTCTACATT TCTCCTTGAC AGAATGAATT TCCTGGCCTG
187801 AATTCATTTT TCTGAATTTG GGGGAGAAAA GACAAATGTT ACCTTGTCAT
187851 TTTGCTTTT ACTCTCTAAA GCAGGAAAAG AAAGTTTCAG GGAAACATTA
187901 CAGTTTTTCC TGAGGAAAAA TCATCTTGAC ATATAGGATA AAAGTGCAGA
187951 CTCTAGAGCT TGAGGAGAC CTATTTCCAA AAGGATCATG GAGCTTATTT
188001 CTGTCACGTG AATGTGCGTG CATGTGTGTG TGTGTGTGTG TGTGTGTGTG
188051 TAGCAGGGAG TGGAGAGCTT TTAGTACACT CAGTCAAATA TAGAGATGTC
188101 ACTTAGAGAG GCACTTACAG CAGAACCTGC TGTCCTATAT ATAAAAACA
188151 GACTGTACT GTACTTAATT TAGCCCTCCA GAAAGGGTCA TGAATATGCA
188201 TTTTGTCTAA GAAAATTATT TCTTTTCACA ACCTCATGTG TGATGCTGTA
188251 GGCTAAGCTA ATCAATGTAG TTAAATTTAG CCCTGGTTTT GAAAGTTTGT
188301 TTTAGAAAAG GTCACGGTAC TAACCCTATA GTTTATTGTG TGAGGAAAGA
188351 AAGCATCATG GCAAACCAAG CAACTGATGT GCACCCCAT CTAAGAATA
188401 TAAACATATT GTTTGTATTT GAGGTTTCACT TCCACTTGCA GTTAGTGATA
188451 TTATTCTCAA AGTTGACTTG ATTCCTGCTG TGCTGTGAAA TATACAAGGA
188501 CAAAAACCA AACACCGCAT GTTCTCACTC ATAGGTGGGA ATTGAACAT
188551 GAGAACAATT GGTACAGGA AGGGGAACAT CACACACCGG GGAAGTTTGT
188601 GGGCGGGGG GAGGGGAAG GGATAGCAT AGGAGATATA CCTAATGTAA
188651 ATGACGAGTT AATGGGTGCA GCACACCAAC ATGGCACACG TATACATATG
188701 TAACAGACCT GCACGTTGTG CACATGTACC CTAGAACTTA AAGTATAACA
188751 AAAAAATATA TAAAAAAGAA AGAAAAGAAA GATATTGTCT ACCATGGGGG
188801 TGTGGGAGGT CTGTGAGCTT GCCTTCTCT GGGCAAGGGG GTTGCCGAGA
188851 AGGCTGGGGT TGGGCATTTA TTCAACCTGT GCATGTAGAT ATGGTGTAAA
188901 AGAAGGCAGA AAAGGGCATC TTACAGATGA GAAGATTTGA TTGGATACAT
188951 CCTTTGATAT GGCACCTAGT TACATGAAGA GGCTTAGGGC TGGGGTGCGA

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189001	TGGAGACACT	ACCTCTCCCC	TGCTACATCC	ACAACGTGTA	GAGCTGGAGC
189051	ACTTTCAAGG	GCCAGGAGAT	TCTGCCTTCT	CTTTGCAGAG	GTGGGGATTG
189101	GTGATGGTAG	ATGGTGTGCT	GGCCAGGAGA	GGAACGTGAG	ATCAGAGAGG
189151	TAAAGTGACT	CACATCCCAG	AGCTTCAAAG	AAATCTGGCC	AAACTGAAAG
189201	CGGAGGCTGT	GCCCCCTCTAT	TTAGAGAGGT	GACAGCCTAG	AAACAGTCTG
189251	TCCAGTAGAA	TTTTCTGCAG	TGTTGGAAAT	ATTCTATAAT	TTTGTACACG
189301	GTGACTATTG	AGCACTTGAA	AAGTAGCTAG	TGCAACTGAA	TTTGTCAATT
189351	TATTTAATTT	TAATAATTTT	AATTCAAATA	GCCACAAGTG	GCTAGTGTCT
189401	ACCATATTAG	GTCAATTCTA	AAAGAAGTGG	TACTTTAAAG	AGATGAAGTG
189451	GGAAAGCAAG	AGTGAATTCA	GGGAAAAATA	CAGAGTTTCA	GTTATGAAAG
189501	CCAGGATTCT	GAAGGTACAT	ATGAGAACTA	TCTGGAAGAG	ATCAGAAAAA
189551	TAAAGCTTCC	TAGACCCAGA	CAGGACAGC	CCAATCAGAG	TCTTTTGGTA
189601	TAAAACCTTT	AAATGAGATC	TACCATATTC	ATTGGTAAAG	AGAGGCAGAT
189651	CTGGGAATGT	GGGTTGCAAA	TGATAAAAGG	TCTTGCCTGC	CAAACCTAAG
189701	ATTTTATACT	CAATTTTATT	GGCAGCGAGG	GCCTCATTGA	AAGGGGAGAG
189751	TCACATGGTG	AGTGCATTAG	GCAAGGCTTG	CAGCAGCCTG	TGTAAGACAT
189801	GATGCCAATG	GAAGATAGGA	GATGATTGCA	GAGCTGAGTG	TTAAAAGATA
189851	CCTGGAGTAT	TCATTTCTCC	CTCAGAATAT	GAGTGTGTTT	ATTTCACTGG
189901	GGGCTGTCCA	TATTTCTCTC	TGCGTTGAAC	ATTGGTTCAA	ACATTTTCTG
189951	CAGCAGCCTG	TGTAAGACAT	GATGCCAATG	GAAGATAGGA	GATGATTGCA
190001	GACCTGAGTG	TTAAAAGATA	CCTGGACTGT	TCATTTCTCC	CTCAGAATAT
190051	GAGTGTGTTT	ATTTCACTGG	GGGCTGTCCA	TATTTCTCTC	TGCGTTGAAC
190101	ATTGGTTTTGA	AACATTTCTT	AGCAAATATG	CTGCTGCATG	CCTCCAGTCC
190151	CACTAAATGT	TACGGTAGAT	AAAAATTACA	GTTCGCTCC	TTGGGGCGAG
190201	AGGGGGCTCT	TTGTATGATA	AATAGATAGC	AGCAGCTCAT	TGGCATGTGG
190251	AGTAAACAGT	TCTCTGGGAC	CTCCAGCAGG	GGCCCATGGT	ATCATAAAAG
190301	GGGATGAGTC	ACCAGGGAAA	GGAACAATTG	TGGGTCTCAG	AGTGTGCCCT
190351	TCCCTCTCTA	TGACTTCTGA	GCTCCAATGA	GCAATCTTAA	CTGTGTCTAC
190401	CGGGAACCTG	GACACCGTGA	ACACAGTGTT	CGAGGCCCAT	CCGATGACTC
190451	ACTGCATAAC	TCTGATAAAC	TATTTTCATG	TTCACTAGTG	GGAGAGAGAT
190501	TGCTTTTAAA	AATTGAAAAG	AAAAAATAA	AATACAATAT	ATGTTGAATT
190551	GAGTTTTTGA	GATGGATAAA	ATGCGTTTTT	CCAAACAGCA	AAGTATCAGA
190601	AGAGTCAGTT	TTTTTTCTTT	AATAGTGCCG	GGGTAAGGGC	ATGGGGGAGG
190651	GAGAGACTGG	GTATCCTTAT	AAGCTGCTGG	GAGAATGGAA	AGCTGGGGTT
190701	TTAGGAGTGG	TTTTTATCTT	GTTGGGAGAG	TTCAGCTGTC	ATCCTGAAGG
190751	ACAGGTGACC	TCTGCCCTGG	AAGTGTTTTC	CTCTAGCTAT	GCTGTTGGCC
190801	CTTTATGTGT	ACAGTTTACAC	ATCACTTAAA	ACCTGGGATG	CGTTCAAAGA
190851	AATGTGTCTT	TAGGCAATTT	TGTCAATTAG	CAACATCATAT	AGAGTGTACT
190901	CCCACAAACC	TAGATGGTAC	ATTTATGCTA	AGTTTCGGGT	GAATTTGGCG
190951	TCTTACAGAG	CACATGATCG	GCCACCATCT	CACTCTGGCC	CCTCCCCTC
191001	TCTTTCCCTC	CACCTTTCTG	GAACAGGGCC	AAAGCCCTCC	TCTTGTTCCC
191051	TGGCAGAAGG	GATCATATCA	TTTTCTTTTC	CTGCACTTTT	ATTAGGTATT
191101	TTTCTAAATA	CAATTTCTTA	AAAAAAATTC	TCACAACAAC	AATTATAAAA
191151	CGCAATCTTT	CTACCTACTA	AATTAATAAG	TGCCATTTTT	TGGACATCTC
191201	ACCATGTTCT	GGACATTATG	CAAGATGAAG	CATTTTAAAG	AGACTTTGAA
191251	GAGGGCCAGG	AGACTAAACC	TCCAGAGAGA	AAAAAATTTA	GTCACTGAG
191301	ATGTAATTGA	TATCTGACAA	AGGACTCACT	TTAGCAGTGC	CACAGATGTG
191351	GGCTCTATTA	TTTTCTTGAA	GGTCTGAGGA	TTAAAGTTAT	AATATTAAG
191401	AATGTGACTT	TGCTGGCACC	TGACTATTTT	TCTTTAAGAG	ATGTTTATCT
191451	CTTATPCTTT	ATATTTTGTT	TTGTAAACAT	GAGTCAAGAT	ATTTTATTAT
191501	TAATGTCCAA	GTCTTTAGAT	GGGTTCCCTA	GAAGCACAGC	CTGAGATGGG
191551	TATCTGGTGC	ATGTATCTTA	TTGTGGAGAG	CTCTAAGGAT	GTGGGTGTGT
191601	GTATATAGAG	TTTGGTGTGG	GGTTGGGGGC	TGTGTCCAGA	TAAAAGGAGC
191651	TGAGCAAGGA	TGTGGTCTCA	GCTGGAGACT	AGCCTCAGTC	TGCTCACACA
191701	GGGAGCTCTG	GGGCATGAGT	AACACCACAA	AGATGCTTTT	ACCTTAAAGT
191751	ACTCAGTCTAT	TGGCCAGGAC	TGCCCTTGGG	CGAGAGATGT	GGCATCATCT
191801	TTTCAGTAAG	GAGGGCTTCT	TTGATCCAAG	AACAATTCTG	TGGAGAATAG
191851	AGTATCTGTG	TGCTGTCAGC	AACTGTTATA	GGCTTCACTG	AGTCCCCGCT
191901	AAAAGCCATA	TGTTGGAGCC	CTAACCCCAA	GTACTTCAGA	ATGTGACTGT
191951	ATTTGAAGAC	ATGGCTTTTA	GAGAGTGGT	TAAATTAATA	TGAGGCTGAT
192001	AGGGTGGGCT	CTAAGCCAA	CTGACTGTGT	CCTCAATAAG	AGAGGAGATT
192051	AGGGCTTTTCA	ATGATCGCCA	TTCTAACTGG	CATGAGACGG	TATCTCATTT
192101	TGGTTTTTGT	TGCGTTTTCT	CTAATACCA	GTGATGATGA	GCTTTTTTTT


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192151 ATATGTTTGT TGGTCACATA AATGTCTTCT TTTGAGAAGA GTCTGTTTCAT
192201 ATCCTTTGCC CACTTTTTGA TAGGGTTGCT GGAGAGGATG TGGAGAAATA
192251 GGAATGCTTT TACACTGTTG GTGGGAGTGT AAATTAGTTC AACCATTGTG
192301 GAAGACAGTG TGGTGATTCC TCAAGGATCT AGAACCAGAA ATACCATTTG
192351 ACCCAGCAAT CCCATTACTG GGTATATACC CAAAGGATTA TAAATCATTC
192401 TACTGTAAAG ACACATGCAC ATGTATGTTT ATTGCAGCAC TATTCACAAT
192451 AGCAAAGACC TGGAAACAAC CCAAATGCCC AAAAATGATA GACTGGATAA
192501 AGAAAAATGTG GCACATATAT AACATGGAAT ACTATGCAGC CATAAAAAAG
192551 GGATGAGTTC ACATCCTTTG CAGGGACATG GGATGAAGCT AGAAACCATC
192601 ATTCTCAGCA AACTAACACA AGAACAGAAA ACCAAACACT GCATGTTCTC
192651 ACTCATAAGT GGGAGTTGAA CAATGAGAAC ACATGGACAC AGGGAGGGGA
192701 ACATCACACA CTGGGGTCTG TCAGGGGGTG GGGGACTAGG GGAGGGACAG
192751 CATTAGGAGA AATACCTAAT GTGGATGATG GGTGATGGG TGCAGCAAAC
192801 CTGGGTGTAG CAAACCATCA GGACGCGTGT GTATCCATGG AACAAACCTG
192851 CATGTTCTGC ACATGTATCC CCAAACCTAA AGTATACAAA AAAAAAAG
192901 AGGAATAAGA GATTAGGACA CAGGGACACC AGGGTATGCA TGCACAGAGG
192951 ATGACCTTGT GAAGAAGCAG CAAGAGGGAA GCCAAGGAGA AAGGCCTCAG
193001 AGGAATCCAA CCCTGCTGGC CCCTTAATCT CCAACCTCCA GAACTCTGGG
193051 AAATAAATTT CTATTGTTTA AATCACCCAA TCTGTGGTAT CTTCTCATT
193101 CAGCTCTGGC TGACTTAATA CAGCAGCCAA CATGCACAGC AGCTAGCAGA
193151 CGAGGGTGTG CCAATTATAC TTTGGAGTGT GTCTGGGAAG AGAATTTGTG
193201 TGGGGCATTG ATAGTAGCCA CTACACCCAC TTACAAATGA GAACACCGTG
193251 ACCCAGAGAA GTGAAGTAGC CCACCTGAGG TCACACAGCC AATAAGCAAC
193301 GGAGGCAGAA TTTGATTGCC ATCTGACCCT ACAGGTGGTC CTCCTAGTCA
193351 CTACTTTGTA TCATCACTTC TGTTGCAAGG CAGTTTTTCT CAGAAGCAGC
193401 AGATGTCACC AGTTAACTTT GACTTCAATT TCTTTTTGGT TTTTGTGTTG
193451 TTTTGTGTTG TTTGTGTTTC ATCTAAATTG TGCTTACCTT ATACAAAATG
193501 GAGCTTCTGG GGGAAATTGA GGCAACTCAG CACAATGCCT ATGTCTGTGT
193551 GTCCTTCTAA AGTATTGACT TTTACCTTAT GTAAAAGGTA AAAAAAATC
193601 TTATGTTTAA TTTGACGTTG TAGCATATTA ATCATAGGTT TCCTATACAT
193651 ATGAGAAAAA AATATTTTTA TTTTAAATGT TTTTATTAAA AATGAATTTG
193701 AGCAGTTTTT CACACCCACA AATGTTATTT TTGGGAAATT AAGAAATGCT
193751 TTGATGGCTG TCATGTTAAT ACAAATAATA ACTGTAATCA TTCTAAGCAC
193801 TGCCACTCCC AATTTGTAAT GAATGAACAT GGTCTTCATA GAGGCCACAT
193851 TGAGATACAA GAATAAATCA GTTTGTTCTT ATTAGAGCCT TATAATAGCC
193901 TTGTTTCAGTA TTTTCTGGCT TGGTGTAATA AAGCCATTAC CCTCTTCAGA
193951 AAACCTAGAAA AGAAAGGACA AATAGAGATG GACATCTTTT GGTAGCTGCC
194001 TTCTGCTGAG GGCTCCCAAC ACCCACCCTC TGTCTGCCCC ATGACAGCCA
194051 GCTCCGCAAA CTTTAATGCT GAACTATGAT TAGATATGCA GAGAGAGGCA
194101 GGGTGTCCGG GGCAGACTCT AGGGCACCTG GAGAAAGCTC CAGCCTAACA
194151 GCATTTGCTG TCACACTCTG GGTCTCTTGG ACTGAGTTCCT GGGACTTGAC
194201 TGAGTGGGCT TGCAGGATGT AACTGGAAGT TTTAGTACGA TGAAGACATT
194251 TTTTGCAGTT CGAAGGTATG ACTACATCTG AGATATAAGT TCAAAGTATG
194301 TGAAAAAGAG GAAAGGGGTG GGGGAGTCTT AGGAAAAACA TCTGTATCTC
194351 CTTCTCTCTC TCAGCTTCCC CTCTCCACGT TACTCTCCCA AAGGATTAGT
194401 TAATTCCTTT TATATGATAT TATGTGGCAA TTTGAAAGTC CTTATCTCTT
194451 AGAGATTTAT GTACTCATTT ATTCAGCAAG AAGTTTTGGG TGTCTGCTTT
194501 GAATCATGTG TTGGGGATAC CATGGTAAGC AGGATGGGTG TGGCCTCTGC
194551 CCTCTTGAG CTTACCATCT ACCTGGAATA TTAGAAGGGA TTTTATTTC
194601 AGCAGACATA AAGTGCCAGT CATGTGCTG AATTAGTGGT TCTCAAACCT
194651 AAGGGTGCAT CAGGATCACC TGGAGAGCTT GTCAAACCAC ACATTGCTGG
194701 ACCTTCATCC CAGTTTCTGA TTCAGTAGGT TGGAGGTATA GGCAAATTTG
194751 GAAATTTTTA TTTTAAATAA GAGCCAGGT GATGTTGTTT TTGCTATTCT
194801 GGGGACCACC CTTTAAAGAAC CATTCTGGGA AGCCTGTCAC ATGGATTTCG
194851 TTAAGGCATT CTAATGGTTA AAACCATCTG GGATGGTGGT GGGCCCACAG
194901 GCTGAGATCT TCTAAATGTC TAAAAGGAAC TAAGTTCTTT TAGAGGAAAC
194951 TTGGTTTTCT CTTCAGGCAA AGTTCCTGTT TTATGAAAAC ACTCTTTTTT
195001 AAAAAAATTT TTAATGTATA TCTGGATCGT TTTAGCAGTT TAAAGAGCTA
195051 ATGCAGTAGA TGAAGTGACA GGGAGTTTTT CATTTAACAG TTGCATCTGT
195101 ATGTCATTTT CTCCTCGAAG GTTCTATAAG ATAGAGCAAT AGTTCTCAA
195151 GTGTGTTTCC AGACGAGTGG CATAGTTAGA AATGCAGAAT CCAAGCCCC
195201 ATTCAGACAC TACTGAATCA GAAACACTGG GTGTGGGAGC AAGAATCTGT
195251 TTTAACAAGG CTTCCAGCTG ATTCTGAGGC AACTCAAGT TTGACACATC

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195301	TGAGATAGAT	GGTAGTGAGA	ACTAGGCTCA	GGCTGAATCT	GATTCTCCCA
195351	GCTCCCTTAA	GACGGTTTAC	CAGGATGACT	AAGCTTCAGT	TTTTCTATCT
195401	CGTAAGTCAA	AAGTCTATCC	CTTGTTGTCT	AATATCTTTC	AGAGCTACAA
195451	GAAAGATAAT	CATGACCTTT	CTGAAATGGT	TTTACTAGCA	AAGATGAAAA
195501	TTTCTAACTA	ACCATAAATA	GACTTATTCA	GTGAAAGAAA	GGGGATTCA
195551	ATGCAGCAGT	GTGACCTTCG	GTTGGTCATT	AGCTTGCTGT	AACCTTACTT
195601	TTCTATCTGT	AAAGATGGGC	AGAAAAATGT	CATTCTAGTC	TACATTGAAG
195651	AGTTGTTGCA	AAGATCAAAT	GGTATCTTTG	TGCTATTAAA	TGGTATCAAA
195701	TTTTTGTTGG	ATCAAATGTA	TATCAGCATG	CTTTTTAAAC	TGTAAAAATG
195751	ACACAAATAT	AAAGATTATA	ACTTTGGGCT	GCTCACCCCT	AGCTTTGTTC
195801	TTTTCTATCA	ACAAAATGGG	AGTAGTTGAA	TTACTTATAC	CTCTATGGAG
195851	ATTTTAAAGTA	ATTTAGACAA	CTAATAGCAC	AGTAACCTCGA	GCTCTTCTAA
195901	GGTAAAGTTT	TTCTTACGTT	TATGTTTTGT	CTTAAACATA	CAAAAGGTGA
195951	AATATGTAGA	AATAGTATAA	AATCTTTTAT	ATTTTATTAT	AGTGTATACT
196001	CTTATTTGAA	CTAGTCACAT	TCTAGAGCAG	TGATTCTGAG	AGGGCAGCCT
196051	CCAAACCAGC	AGCATCAGCA	TCAGCTGGGA	ACTTGTGAGT	AATGCAGATT
196101	CTCAGGTACC	ACACCAGACC	TGCTGAATCA	GCAAGTCTTG	GGGTGGGACC
196151	CAGAGATCCG	TTTTAAACA	CCCACAGGTG	ATCCTGATGC	TCACACAAGT
196201	CTTAGAGAAA	GGCATTTTAT	TGGGTCTTAA	TGAAGGATC	TGATAAAGGC
196251	CATCATTTTC	CTGGAACAGG	GTGATGTCTT	CGTTTTTCCA	GCATGGATTT
196301	GAAACATCTG	TGTCCAAAC	CGTGCAGCCA	TTATTGGATT	CCTTCATAAA
196351	CACATTCTGT	TACTGCTTGC	CTGGCATACA	GAAGATCTGG	AATGCCACTC
196401	CAGTATACCC	ATTATGAGGC	TGACTTCAGG	GTGCAAGGAA	ATTAAAGCTG
196451	TTTATCAGAC	TCTTTTCCCC	TTAGTGACAG	GAGAAAGGAA	TCTTAAGCTA
196501	AGAAGGCTTC	AAGTTGGGTC	TATGTATGAA	AAACATGAGG	CGTGACAAAC
196551	ACAGTTTGAA	CGGACTTACG	TTTTTTTTGA	CTTTCCCTT	TGAAAATGAA
196601	AATGAGTCCT	TTTGTGGGCA	GCACCAAATT	AGTGGTGCTT	ACTTAAGAAA
196651	TACTGGAGAC	AGATTCAATC	CAGTTTGTTT	CATAACTTAG	GTGGCAGAAT
196701	GGCATTTTTC	CCTGGCCACT	TCCTTCCTTC	TTCCCTTCT	AGGAGGAAAT
196751	CTTAGGTAGG	AGAGGGAAAG	GGACTAAGGC	TGCTGTAC	CAATGAGCTA
196801	CGTTTTGGGA	AGAGGAGCTT	AGTGTTTTAA	CAAAAGAAAG	GTTTGTCTGT
196851	GTTGTAGAGA	TATGACTTGG	TCCACTGCCT	ATGTTGTAA	ATAAAGTTTT
196901	ATTGGGACAT	AGCCCACTC	ATTTATTTAT	GTATTGTCTG	TTTTCACACT
196951	ACAAAGGCAG	AGTTGGGTAG	TTGTGACAGA	GACCACGTAA	TCTGCAAAGC
197001	CTAAAATTGT	TTTACTATCT	AGCCCTTTAC	AGAACATATT	TGTCAACCCC
197051	CCTTGACAG	GTTTCTTCTG	AGCTGCTTGA	AGGAAACCTT	GACGGAATCT
197101	GTTGGACAGA	AGGACAGTGG	GAGGTGAACA	GTGTGGTGAA	ATGCCTGCGG
197151	GTTCTGTGG	AGTCCACAGA	AAGGAAACCA	CAGAGAGGCG	AGATTCCATA
197201	TTGCCCATT	CAGTTGGGTT	CAGTATGGAT	TTTGAGAAAT	TATTCTATTT
197251	AAAATAAATA	AATATTTTAA	ACTTGAGTAT	ATATTTGCAA	TTGTCTAATA
197301	CAGTCATACA	CTGCATAACA	ATCTTTTGGT	CAATGACAGA	CTGCATGTAC
197351	AATGGTGGTC	CAGTTAATGA	AGCTGAAAAA	TTCCCAACAC	CTAGTGTAT
197401	CATAGCCATC	ATAACATTGC	AGAGCAACAT	AGCCACTCAC	ATACTTGTGG
197451	TGATGCTGGG	TAAATAAAC	TACTACACTG	CCAGTCATAT	AAAAGTGTA
197501	TGCATATATT	TATGTACAGT	ATAGTGATGA	CAAATGACTG	TTACTGCTTT
197551	ATGTATTTAC	TATACTTTTT	TTTTTTGAGG	TGTGGTCTCA	CTCTGTTACC
197601	CAGTCTGGAG	TGCAGTGGCA	CGATCTCGGC	TCACTGCATC	CTCCACCTTC
197651	CAGGCTCAAG	TGATCCTCCC	ACTTCAGCCT	CCCAGTTAGC	CGGGACCACA
197701	GGTGTGCGCC	ACCACACCCA	GCTAATTTTT	TGTATTTTTG	GTAAAGATTG
197751	GGTTTCTCCA	TGTTGCCACG	GCTGTTCTCG	AACCTCTGAC	CTTGGTGAT
197801	CTGCCTGCC	CGGCCTGCCA	AAGTGTCTGG	ATTATAGGAG	TGAGCCACCA
197851	TGCCTGGCTT	GCTATACTTT	TTATCATTTT	TCTAAAGTGT	ACTCCTTCTA
197901	CTTATTAATA	AAAATTAAC	GTAAACAGC	CTTGGGCAGG	TCCPTCGGGA
197951	GGTATTTTCA	AAGAAGGCAC	TGTTATCACA	GTAGATGGAG	GCTCCGTGTG
198001	TGTTACTGCC	CCTAGAGACC	TTGTAGTGGG	ACAAGATGTG	GAGGTGGAAG
198051	ACAGTGGTAT	CAGTGAATCT	GACGCTGTGT	AGCAGTAGAC	TAATGTGTAT
198101	GTTTGTGTCT	TCATTTTTTA	CAAAATAGTT	GAAAAAGAAA	AAGAAAGAAA
198151	AAATGCTTAT	TGACTATCTC	CTAGTTAGGA	GAGATATGAA	AAAAAGAAAA
198201	TATTTTCGTA	CAGCTGTACA	ATGTGTTTGT	GTTTTAAGCT	AAGTGTATT
198251	ACAATAGAGT	CAAGAAGTTT	AAAAAATGTA	CAGTAAGCTG	CTTAATTTAT
198301	TATTGAAGAA	GGGAAAACAT	TTTTTATAAA	TGTAGTGTAG	CCTAAGTGT
198351	CAGTGTATT	AAGTCTGTAG	TAGCTGACAG	TAATGTTCTA	GGCCTTCGCA
198401	TTCACTCACC	ACTCACTCAC	TGACTCACC	AGAGCAACTT	CCAGTCTGCT

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198451 GTGCTCCATT CATGGTAACA GCCCTGTACA GATGTGCCAT TTAAAAAATC
198501 TTTTATACTG TATTTTACT GTACATTTT AATGTTAAGA TACACAAGTA
198551 CTTACCACTG TATTACAATT GTCTACAGTA TTCAGTGTAG TAACATGCTG
198601 TACAGGGTTG TAGCCTAGGA GCAATAGGCT ATACCACATA AACATAGATG
198651 TGTAGTAGGT TATACCATCG AGGTTTGTA TAAGTACACT CTATGATGTT
198701 CACACAATGA TGAAATCACC TGAATGACAT ATTCCTCAGA ACATATCCTC
198751 GTTGTTAAGT GATGCATGAC TTATTTCTTC CTGGTGTGG GTGTTACAGG
198801 AAAAATACT GAGTGTGTTG CTTATTTGAT ACATACTTTG CATCCATTAT
198851 ACTATGTAAT GTTCACAACA ATTCCATGAG ATGAATATTA TCATCTTTAT
198901 TTTATAGATG AGAAAACTGA AGTGCAGAAA GCTTAAATAA CACAGTGTTA
198951 CAGAGCTATT GCTAGAGGCT TGATTTAAAT GCAGATTTTG TTTTATGCC
199001 AAAGCCAGCA TTCTAAAGGA GTGTTTCTGA ATGTTGGCCT CTCTAGCTAG
199051 GTTGGGGTGT TTTTCAAAC GCAGGTTGAG AGGTCAGTTT AGTGAGTTGC
199101 AACCAGCATT AAAAAAATAA TTGAACAGGA TGAAAAACAC CAGAGTGTGT
199151 CATATGTAGT TTGGGTAAAT AGGTCTTGGT GTATGAAACT TTTGTTTCGA
199201 CTATAAAGAT ATTTATAAAC ATACATATAT AAGCACATTT CTGTGCACTG
199251 GGCAACAATG TAAATGATAT TTCTTACCAT GTCGTAGTTT GAAAGCCAAG
199301 GGAGTGGACA AGGAGGAATG AAGATAAAGA AAAAATGGGA GAGCAAGAGG
199351 GAAAAATATG AATGAGTGAG AGAATGAATA ACTGTCAAAG GGACAAAGAG
199401 ACTCGAGAGG GAGAGGAAGT AGAAAAGAGT GGGGAAAGAG GGAGAATGGA
199451 CAACTCAGAG AAAGAGACAC AGAGATTGAG GGAGAGTTGA GGGTGGGCAA
199501 GAGAAGGAAG ACATCATATG GTTCTGTCTT TCATTCCACT CAGCAAGCAC
199551 ATGTCCTACT TTGATGGCAG AACTGGAGAT CTCTCAGGAG ATTTTAGTTT
199601 TCATACACTT CTCATGCTGT GATTCTCTTG TCGTTCTCAG TGTAAGTAAA
199651 ATGAAGATCT TTATTAACAT GGCTTCTAGT CATTACAGCA AAAAGACACC
199701 TGCACGTTTA TGTTTATCAC AACACAATTC ACAATTGCAA GGATATGGAA
199751 CCAACATAAC TGCCCATCAC TGATGAGTGG ATAAAGAAAA TGTGGCATAT
199801 ATACACCATG CAATACTACT CAGCCATTAA AAAAAGAATG AAATACTGTC
199851 TTTTGCAGCA ACCTGGATGG AGCTGGAGGC CATTATTCTA AGTGAAGTAA
199901 CTTAGGAATG GAAAACCAA TACCATATGT TCTCACTTAT AAGTGGGAGC
199951 TAAGCTATGG GTACACAGAG GCATGCAGAG TGGGATAATG GACTTTGGAG
200001 ACTCAGAAGG GAGGAGGGTG GGAGGGAGGT AAGGGATAAA AGACTACATA
200051 TTGGGTACAG TGTATACTAC TCGGTGAGGG TGCACTAAAA TCTCAGACTT
200101 CACCACTACA AAAGTCACCC ATGTAACCAA AAACCACTTG TATGCAAAAG
200151 GTATTGAAGT TCTATATGCA TGTACATATG TGTATAGGTA TGTATATAT
200201 ATATGTGTAC ATACAGACAC GTGCAGGTGT CTTCTTGATA TAATGACTAG
200251 AAGCCACGTT TAATAAAAAAT AATATATATT ATTTCAATAT AAATAATAAA
200301 AATAATAAAA ACTATGGCTT CTCCATAACA GTATTCTATC TCATCTGTTG
200351 CTCAGCTGAA AATCAGTGAT CTGAACTGAT GTGAAAAAAA AAAATACGCT
200401 GTGTTGAAAT TGCTGAGAGA AGGTATGAGA TCCCTAGTAC ACTGCTTTCT
200451 AAGGAACCTG CAAAGGCAAT TTTGAATATA TGAATTTTTT GTCTTTTGAG
200501 CTGACTAATT TTTATTCTAC TGTACAGCAG CCTTTTATGT TTTAGTGGGA
200551 AACCATAGAT ACAACAATAG TTTTAACATC TTCTATTTC AGGGAATTCT
200601 ACATCCATTA AGTATCTTAC TTTCAAAGGA TTCTGGACTC ATTTAATGAA
200651 AAGCCCATTT GTACAGACTT GGAAATTGAG TGAACATTTG TATGAACTT
200701 CCCTGCATAC CGATGCTTTC ATGAGAATTC TATTACTCAA TCTCAGCAGC
200751 CACTCTACTA GATTACACTT ATGTTAATTT TATCACAGAA ATTGGAGCTC
200801 TGTGAGTTTA AGTCTCTTGC ACAAATTTTC ATCTAAAAAG TGGAAGAGCT
200851 AGATTCTAGC TTTGATTTTC TGACCCCAA TTTCATATTT TTTCCACTAG
200901 ACCAGAAATA GCAACAATAG ATTGAAAAAT AATGTGTTAC AATTTGGAAG
200951 AAAAATTTTA ATTTTAAGTC TGAGTATGGT GCAAAGTCTA AAATGCCCCAT
201001 TGTTTTGCTG CAGCTGAGTA TTCTAATTTT CTCCTCCCCC AGCCCAAGGG
201051 TAGTTGTTTG GGTAGTTCTT TATTTCTAGC CCCCATTAG TAAATTATAT
201101 TGTTATGCTT TCTTGTGATC CATTGATGGC CTTTCTTCAC TGAAGATTGT
201151 TATAAACACC AACTTTATTC TAGTTACTAA CAATGTTGCA TCAAGTAAC
201201 TGGGTAGATG CTTATTGTC TACAGCTAGG TGGGTATTCT TTTTAAAAAT
201251 AAGTGCTGAA TGTAAGGTTG AGTAAGTAGG ACCCACCAGA GTGAACCTCA
201301 TCTCAAAAGC CATCATTACC TGTTAGAAAA GAATTGTGTT TTTCCCAGCT
201351 TGCCAAAATG ATGCTGCTAT ATATCCTATT CATCTTGTTT GGTCCACCA
201401 GTAACATTTA AAAAAAAGA AATATCTAGG AAAAATGCTG TGGTAGTTTT
201451 GCTCCAACCT CCTATGCTAA AAACCTTATG TGTGTTGTGT AATAGGACCC
201501 TTCAGCCAGG ACATCTTGTC CTACCTTGC CCCTAAATTT CCTCATTTTT
201551 AATAAGGATT CATGCCTCCA AATGTCAAAA TGTTAAAGCA TATTATTTAT

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201601 TCTTATTTTAA TGATTTTTTTT CTTACCTTCA AACGGTAGTT GCTAATGGAA
201651 ATGTTCTCTCC TTTCTCTAC TGGTTTTATT TTGCTGAGTG TTTATTACAT
201701 TCAACCAAT ACTTCCAGGA AGCTGAGATT CAGCTCTACA CTCCATGGAA
201751 GCTTTGTCAA CGCAAGCAAA ATATACATCC CTGTGAAAAG ATACAGTATT
201801 CTTACCTCAT TATAATTTTA ATAACCTGGTA GTATCTGACT GTTTGTTCAT
201851 TATTTCAAG ATCCAGAAG ACCCACTTGT GGCTGAAGAG TACTACGCTG
201901 ATGCATTTGA TTCCTATTGT GTAGAGAGTG ATGAGGAGGA AGAAGAAATA
201951 GCGTTAGAAA GACCAGAGAA AGAAATCAGG AATGAGGGAT CCCAGCCTGC
202001 TTACAGAACA AACCAACAGG TATGTAATGC TCCCTGTCGG AAGCCATGGA
202051 ACTGTTCAAG GTACTGATTG GACTCTCCCA GAGAAGAAAG GAAGTCTTAT
202101 AAGGTGAAGT TGGGGACATG GGGAACAGGG TTATTATAAT AGCTACTTGT
202151 GGTAAGTCTG GCTTTTCAAG GTCCAGAGGC AGGCAGGGCC CTATGGAATT
202201 TGGAGAATCT GATCTGGACC ATGTTGATGG GGAAGAAGT GGAGCATGCT
202251 GCACTTATTT GGGGGGTTGG GAGATGGCAC ACACCATATT CCCACTGAGG
202301 AGGGCTTCGT ATACAGCTAT TGAATTAATA AATGCAAATA TCTCTTTAGC
202351 AGAGAGAATG GCACTTTTTA TATACTTTTC TGTCTGGTAA TCATATTTTG
202401 GGGTCATATT CACAAATTGA ATGCAAATAA AATTTGTAAA GACTGACTTA
202451 GTTTTGGGGA TCAGAACCAA AGATCCTGGG CTTAGGGGAT AATCTGTCTA
202501 GCTACTTTTA GCCTCTGAGG ACACATTCTT GCTTAAGTGG TGAAGTCTCT
202551 GAGTATATGC CCTATGCCCT TGATAGTAGT CTCTTTTAAC TATAGCAAGA
202601 TTAAGCCTTA TATGGGCCAT AGGTCAAGAA ACACCCCTGA CATGTGCTTT
202651 CAGTGTGAG TGCTGCAAC AGAGGAATAA AAAGCAAGAG GCTTATGAAG
202701 ATGAAGGGGA AGCTTTGGG CAATGTGCAT ACATACCTTC TTTTCTTGCT
202751 TACCTTCCAA TCCTAAACTT CCATGAGTTA CAGAAGCTTT TGTAACTGA
202801 GAACCATGCA GCTACTAAAA TAAAAGTCTA CCAAAGGGCA CATGAGTGAA
202851 GACTCAGGTA GAGGAGATGA TTTTGGAGT GAAGATGATT CACTCCAAAA
202901 ATCCATTCOA CCATTTTTTA TAAAGACTAT GCAATATATC ATAATATTCA
202951 ATCCATTCAG CCACTTAAAT CCATTCAACC ATTTTAATAA AGATTATGTG
203001 TCATAATATT CAATAAATAA AAGCAGTAAG AAGTGCTCTC CAATTTGATA
203051 TTAAGAGAGA GAGCAAGTG AAGGGTACAG GTATGGGGCC AAGCAAAAAA
203101 AGGGATGAGA TAAAGAGGAG AAAGAGATGA AGAGAAAGGA TTAGAGAGAG
203151 ATAATTTAGG AGACAAATAC ATGAAGAGAG AAACAAATAC ATTTGGAGAA
203201 AAATACAGCT AAAGGGGGGA TTCAGAATGC CAAAATAAAA ACTTAGCTTA
203251 TACCGTTTCC CCATTTTTTT CCAACGGAAT CTGGAAAACA ACAGCACCTC
203301 CTACCACAAA TCGAAAATAT AATTTCTACT ACCTTCTGAG CCACTGTCAT
203351 AAACAACCTG AACGGATATT ATTGCAGCAT TACAGAGCCT TCATTCTGGG
203401 CCTATGGTTG CAAACACAT GATATGCAAA ATACATACAG TGCTCAATTT
203451 TTGGTCAAAG CATCAAGCGG TAAAATTTTA GCTACTAATA TTCACTTAGA
203501 AATGTTTTTT AAGAAAATAA AACAGATTTA GAACCACATG AATAAAATAC
203551 TATATGGCAA ACAGCTCCTA GGTCAGGAAA TACAATTTTT CCAGTCTCAG
203601 AATATCCATC TTTGGCACTT AGAATATAGG GTTGGAACAC AGATTGCTTG
203651 CATGCTTTTA TAACCTGAC TTTGCGTGAC CTGTTTCAAA TTAAGTGAAT
203701 TCACTGTGCC TCAGTTTCT AATCTGTAAA GTGGGAGAAT AATGGTTTCT
203751 ACCTCACAGA GTGGTTTTGA GGATTAAATG AAGTAATCAA TATAAAGTAA
203801 TTAGAATAAT GCTCAGAATT TAATAAATA CTTATGAGA TATTAGCTAT
203851 TATTATTATG AAGTTACTCA GTCAAGGTAT CCAGTACCTC TTTATGATAC
203901 TGCCAAAACCT CTTAATGTT AAAGTGAGAT TTTCTAATTT GCTTTTAAGT
203951 AATTTTTTAA AAATTCCTTC TTATTAGTCT TAAGGCAGAT GATAAACATA
204001 AGGGCAGCAG TTTTGTCTC TGGGTGTAT ATCTATCACA TGTACATGA
204051 CAGATTGTGA TTGATTTTAA GTAATCTATT GGGACAAGAT GCTAAGGCCT
204101 CTCATATGGT TTGGCTATAT CCCCACCCGA ATCTCATCTT GAATTGTAGC
204151 TCCCATAAAT CCCATGPGTT ATGGGAGGGA CATGGTGGGA GATAATTGAA
204201 TGATGGGGTG GTTTCCCCAG TACTGTTCTC ATGGTAGTGA ATAAGTCTCA
204251 CGAGATCTGA TGATTTTATA AGGGGTTTCC TTTTCACTT TGCTCTCATT
204301 CTCTCTTGCC TGCAGCCAG TAAGACATGG CTTTCACCTT CCACCATGAC
204351 TGTGAGGCCT TTCCAGCCAT GTGGAACGTG GAGTCCCTTA AACCTCTTTT
204401 TCTTTATAAA TTACCCAGCC TCACGTATGT CATTATTAGC AGTGTGAGAA
204451 CAGACTAAAT ACAGCCTCTC ACATACATGG TGGTATTTTG TCTCACAAC
204501 CCTGTTGGGT AGTTATCTTA TTCCTATTTT CTTTTTTTTT TTTTTTTTTT
204551 TGAGACAGTG TCTCGCTCTG TTGCCAGAC TGAGTGCAG TGGCATGATC
204601 TCTGCTCACT CTAATTGAGG AAAGTTAGTT TCTGAGAGAG GTGTAGCCTT
204651 CCTGCGGTCA CGTAGCTAGG CAAGGATCAG ACTCATGCCT CAGGCCACA
204701 TCAGTCACAT TCTCAAGTCA ATGTTTTTGC TACTATAGAA TATATATTGA

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204751 CCTAGAATGG ACTTGGCATA AGGGAAACAG AANNNNNNNN NNNNNNNNNN
204801 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
204851 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
204901 NNNNNNNNTGT TGCCAAGTCC ATTCTAGGTC AATATACATT CTATAGTAGC
204951 AAAAACAATA CACAGTAGAG CAATTTGTAT AGATTAGCAA AAAATAGAGT
205001 AATTTGTTTA GAGTAGCAAA AACAATTACA CAATAGAGTA ATTTGTATTA
205051 GAGACAGGTA ATTACAACCC CATTTGTTTT CTTCCAGTAA TTCAATGTAG
205101 TTTCTCCTTC CCCAAAGGTG ATGAATGTGG ACTCTTCCCT TTCAGGTTAT
205151 TTTCAATTAGC AACATACAAA TTACACTACA GAACTCAGTC ATGGTCAACT
205201 TTGTGAATTG AGAGAGACCT GCTGCCATCT CTCAGATTGG CCTCTTCTCC
205251 CCTTTCCCTG GCTTTGCCCT GGACCTCTGA GTGTGCCAGG GTCTGCTTAG
205301 ATGGTCATCA CACAAATGCC TTCTATGTGT GTAATCAGAT CAAAGTTGAT
205351 TCCCCTTCCT TTAGATGGAG CCAAAGTCAC ATAGTTATTT TGATGAAAGA
205401 AGTGCTTTCA AAAAGAAACA CAGCCATGGA CTTCAATTGAG ATTGATTACT
205451 GAGTTCTTTG TGCCACCCAT GACAATCTTT TTAGTAGCAG TGTCTCCAAA
205501 GCAGTTTTAT TAAGCACCTA ATTGCTGATG ATTGCCAACT GTTCTCTGTC
205551 TGTGATAAGC ACAGCATCAA TAAAACCTTT ATCACAAAGCC ATTATCATAT
205601 TGTGTATGGC TCCTCTGCCA AGTCTGTGGT CACTGAATTG GAGCCAGCAT
205651 CTTAGATCTC AGGAGAATTG AGTTTATAGC TGCCGTCATA ACAGGGTTCT
205701 CCACAACACT TGTGCAACCT GTCACTAAAA AGTGTTTTAT GCGCTCTAAT
205751 GGACATGGTT TAGGGCTACA GGCTGACGAG TGTTTTCCACA GACTCTTCTG
205801 TCTTTCCTTT GCTGCCTTGA CTATCATTTT TCTCTCCAAG ACTAATAAAT
205851 GGCTCAGAT CATCCAGTAA TACACATACT AGGTGGACAA TAATGACTCG
205901 ACACAAATCT TCCTCGGAAG GGCTTTGTTT AATGAATGTG GCTGTCACTG
205951 AGGCTGTGTT TAAGAAGGCT CTTCAGGACT ATGGTGTGTT TTCTTCTTAA
206001 GATGAAAGGC GGCAGAGTTC CACTATTCCA GTTAATTCTG AAGTTCTCAA
206051 TGCTTTTTTC CCAAATCATT CAGAGGTTTT GAAATTCTTA GGAAAAACAA
206101 TTGATTTTCT TCTTGGAACA TTGTCCCGGG GCAGAGAACT GGATATGCGA
206151 TAGGCAAGGC CTGAGATTCT GCTGAGGACC CTTGGATCTG ATTGTCATGA
206201 TGGTAGGTGC CTCGAAGAGT TCCTGCTGTT AGTTGAGTCA TTAGTTTAAT
206251 CAGATCATAG TAATGATAAC AGTAACAGCT AGTATTTCCA GAATCTTCAT
206301 TCTATGCTCG GTACTTTGCA TGCTGTGTCA GTTCAGGTAC TCCAGGAAGC
206351 AGGTGATGAG ACAGAATTAG AAATAAAAAG GAAATTCCTA TCAAGTAGGT
206401 GGGAGGAGTC TTAACCATA CTGATATATT TGAGGGGAAG GAAGGAAGGA
206451 AGGAAGGAAG GAAGGAAGGA AGGAAGGAAG GAAGGTTGGA TGAGAACCTC
206501 AGGCTGCAGT GCAATTCTGA TAAAACCTTG GCAGGCAGGC TGGCAGGCAG
206551 GAAGGAAGAG TCGGAAGGA GGGAGGAGG GAGAGAGAGA GGGAGCAATT
206601 GGATGGGAGC CTCAGGCTGC ACTGCAATTC TGAAAAAGGT TTGGCCCTGT
206651 CAAGAGGGAG CGCAAGGTGT GTTGCTGGAG TCCAGCACTG CGAAAGAATG
206701 GCCTGGCCCT AACTTCCCCA TAGTGCTTAC ATTGCCTGGG AGTTGCCTGG
206751 GAAGAGCAGG GCCTCAGCGT GGACCCTGCA TTGGATCCCC GAAGGTGTTG
206801 TAGCCGAGGG CTGTCAGATC ACTAGGCTCC TTGCAGCAGG GTCTATCTTG
206851 AAGGCACTTG TAAGTGCGAG ATCTCATGGC TGTACAGGT GTATTATTTC
206901 ATTTAATTCT TGCAACAACT CTGATGCATA TATTCTAGAT GAACTGCATC
206951 AAAGTAGAAT TTAAGTGGCT GGAATTCAAA TAAGGGAGAA GGCAGAGATA
207001 AAGGAGAAGG TGAAGGTAGG AGAAAGGAAG GGATCATGAG TTAGGGATTT
207051 CATGTGACTT TTACTGAATG CTCCAGAGTC AAAATGAGCT GAGAGATATA
207101 AATCCAGTCC CTCTACTGCA TCTCAGTTCC TGCATCTCTC AGACTGTAAG
207151 CCTCTTGTG CTTTGAATTA TTGTTGTAGA CTCCAGTAT TTCAGATACA
207201 TATTTTTTAC ACAATCTAGT CCCTACGTGC AAATCAGCTA TTTCAATTGC
207251 TCAAAAAAGA AACAGCAGTG GAGGATATTT CAAGTGCTGA CTTTAAAACC
207301 TAGGTCCCTT GAAAGATACT GTTTGTGACA TCCTAACTTC ACACAAGAGG
207351 AAAGTAGGCT ATAAGGAAAT TAAGTTACAT CTCCAAGACC ACACAGCTAG
207401 TAAGTAGCAG AACTGGACTG TATGAATTTA TTTTTCAGCT CTGCTTTATA
207451 CAGTCTTTCC TCTGCACAAC AATTAGAATT GCTTCTCCTC CACTGATGAT
207501 AGAGTAAATG CGTTAGGTGC AAGGGAATAG CTGCAGGGCC ATTGCATTAT
207551 CTGGTACTCT GGCAAGACCT TTTTACTAAA CAGAATGACT GTGCTATGTA
207601 CAAGGCAAAA TTAAACCAG TTCCAGGAAG AGTGCTGAGT TATGAAAAGT
207651 AAAACAAAAA AGACCAACA TCTCTCATCT GTTATGGGAT ACAGATTTAT
207701 CTCCTCCTAC TATGTCCTTT TCTTTTAA GATAAGTTGC CAGAACTGTT
207751 GAGTCCAGT AGTGGGACTT ATTTGCCTGT TATTTTACA TGATCTGACC
207801 TAATTAATTT ACCTTCATAC TTGGGAAGAA ACACTTTTTG TCTTAAATCG
207851 ACCTTAGAGG TCATCAGTTC TAAAAAGCAG ACTCCCAGCT GTTTCAGATT

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207901	GTCGATCATT	TTTCATTAG	CATTCCGCTG	GCCTGTGTCC	CAGGCTGTAA
207951	AGCCATCAGC	CTTGCTACAG	TGTTAGTGGA	TACTCCCAGT	TTGGTGTGTC
208001	ATTCTTCTA	GGTGATGGGC	CTTCTGTAGA	CTGTGTGTTG	CTCAAAGGAG
208051	AGACTTTGAG	GTGACAATTT	CCACCCCTAC	CCCCCATCCC	AGCCCTCATT
208101	TCCGTCATGA	TTCTTCCCCC	TTCTCTCTCT	CCCATTCTTT	GTCCAGATCA
208151	AAGCATAGCT	CATTGCTAGT	CATATTAGGA	CCAGTCAAA	CTTGTCTGG
208201	AATACAGCAC	AGTGGGGTTT	GTTTTTTTTT	TTACATTATA	TCACTTACTT
208251	CTCTTAACAA	TTTGATATAC	TATTCTTTTT	TTTTCTTCTG	GCCTTTATTT
208301	TATTTTAGGT	TCAGGGGGTA	CATGCGTGAG	TTTGTGGGCT	TTGTAGGAGG
208351	CTTAGTCATT	AAGTCTTTAA	AATTAGGTCC	ATTATAGGGT	TTAGGATCAC
208401	ACCTACATTT	TTCACCCCAA	TACCAAAGCA	TGGAGAAAA	GGAGAAAGGC
208451	AATAGGGTTA	AAAAAGGGCA	AAGCAATCT	GAGCAGGAAT	GCAAGAGTGC
208501	TGAGTGTTC	CTTCAGTGTG	AAGATGGAGA	GGTCACGAGC	CCACAGACT
208551	CCCTTGTTGG	TGCGTGATCA	GAGGTCCACA	GGTCAATGGG	CAAATAAAGG
208601	GACGGTGACC	TTCACTGTGA	GATGCCCTGT	GCTCCGCTGT	GCTGCTCCTG
208651	GAACTTGGG	GTGAGAGTGG	TGAGACACAG	CTGATAAGAG	TAGTTGCAGT
208701	GGACCTCTA	GTGCTTTTCT	CTCCAACAAT	CTTCTCCCTC	CACTACCCTA
208751	CATTAATCCC	TGTTTCCCTA	GCTATCATCA	GAGTGAAGGT	GCCCTGACCA
208801	TATGTGTCAC	AGAAACCCCTG	CAAAAAATAT	GAAAACCATC	CTAAACAGCG
208851	TTGGCAAAAC	AGAAAAATACA	AGTCCCATCC	AACTGTTTTG	TGATCAGAAA
208901	TTTATTTTAA	TTTTCTGAAT	ATTTCAATTCA	CCTAGACAGG	GAGAGTAAAT
208951	ACCATTTCAT	GGTGTCCAGC	CTGGGAGGAA	AGGGTTGTGA	CACATGGGGG
209001	CCATTGTTGG	GGGTGCATTG	TTCCACATA	ACCTGGTAAT	CTGAAGGCAC
209051	AGGGGTCTAT	GTCAATCCCTG	GGAAAAACCC	AGTCATAATA	AGACAGAGCT
209101	ACCTTGCAGC	ATCCAGGTGT	TGTGCCAAAC	CCTTTACATG	CCTTATCCCA
209151	TTCATACTCA	CAGCACTCAA	TGCAATTAAC	ATCTCTCACC	ATTTACAAAT
209201	GAGAAGACTA	TGAAACAGAC	AGATTAACCTA	ATTTGACCTA	AGTTACCCCA
209251	TCCAATGACA	GAGCTGGGGT	TTAAACCAGC	AAATATTTCG	TGTACCAACT
209301	ATTAGGAATT	TGGAGTAAGT	ATAGAACTTA	ATGTAGAAGT	TGGTAAAGGA
209351	GAAGAAAAGG	AGATTCTTGG	GACCTAAGTG	ACAGCTCCAA	AGTGTGTGAA
209401	AATGGACTAT	GAGCTGATGA	TTTAAATCA	TGTTAAATC	ACAGGGCTAC
209451	ATTTTTCACT	TACTCTGTGG	GATTTAAATA	AAAGTAAAGC	TAAAACCTAGA
209501	GTTAAAAATA	GAAATCTGCA	ATAAACAACT	GTGTATCACA	ATGACTATCT
209551	TTTGGACTGA	AAAATCTTGG	TGTTTTTGTG	GCAATAAACC	TCCCTTAAAT
209601	TGCAGGACTT	TCTTCTCTAG	GCTATTGTAT	GTATAGAGTG	GAAAGAGATT
209651	AAGTAGTTAA	TAAAGAGCAA	GTGGAAGGAT	TGATTAGAGG	TAGCTTTTTCT
209701	TTCACTGTGC	TGGAATTTA	GAATGGATT	GTTCGAGAGG	GAGTACAGCG
209751	CTCACCAGTT	CCTGGAAACT	CCATTGCCCT	GTTTTGGGTA	GGTGTACGTT
209801	TGCCATTCTA	TCAGCCCTGC	TTTTTTTTTCG	TCTCTTTATC	CTTTACATTT
209851	CTAAACCGTA	ATTCTAAATG	TCTTAAGAGT	TCTGTCATTG	GATACCTATG
209901	AATGTCTTTC	AAACCTTAAA	GCAATCCAC	AGGCATTGAC	TTGCCGAGAA
209951	CCTGGGCATT	AATAAGAGAC	AGCTGCAGTT	AGAAGGTTTT	AATAATGCAG
210001	AGTAAACAA	GCATTTAGCAG	TGAATGTGG	ACACGTTGAC	AGTCACGTTT
210051	CAGCAATTCG	GAATTCAGTG	AAAGAGGCTT	TTAGTCTTAT	GGGAGCTGTG
210101	GGGGCTTGTT	GGCAGTTTGA	GTTTTGCAGA	TGTGGCTCTG	TGTTCCATATC
210151	ACCGCACACA	CTTTAAGGCA	GAAGGCCACC	ATCAGTAGTG	AGATAGGAGT
210201	TACGATATTA	GCTTCCTGAT	TTCAGGGAAG	CCCTCACAAA	GGTGCCATCA
210251	GCTCTGTCCT	ATGGCTTTGT	GCTAAACCGC	ATCTTCTGCC	TTCTATGAA
210301	TTATGAATGC	ATATAAGCAA	GGGCTTGGCT	TCTAATGAT	TCAAGCTGAG
210351	ATGTGAAAGG	TACATCTGAG	TGTGAAGAAG	ATGTAAGAAG	TCACTTGGT
210401	GTTTTGGTTT	CTGTAACCTTA	GTGACATTTT	CCAGGGCTGT	TCTGGACACC
210451	ATTTGTGGGA	GAGTAGATGA	TAGTTTAAAA	ATGCAACTTG	GAGAAAAAAG
210501	TAGGTGGGGC	TGGGTACATT	GGCTCATTC	TGTAATCCTA	GCACTTTGGG
210551	AGGCTGAGGT	GGGAGGATTG	CTTGAGCTCA	GGAGTTTGAG	AGCAGCCTGG
210601	GCAACATAGT	GAGACCTAAT	CTCTACAAA	AAATTTTAA	ATAGCTGAGC
210651	ATGGTGGCAT	GGTGGCACTA	AGCTACTTGG	GTGGCTGAGG	CAGGAACATC
210701	ACTTGAGCCC	AAGAGGTTGA	GGCTGCAGTG	AGCGATGATT	AAGCCACTGT
210751	ACTCCAGCCT	GGGCAACAGA	TGAGACCCTG	TCTCAAGAAA	ACACTTTTAG
210801	AAATGCAACA	TAGATGAGTT	ACTTTTTTGG	TCATTCAATT	ATGCATCACA
210851	TATTTGAATG	GTCTAAGCAC	TGGGTATATG	GTAGTGAACA	CAATAGACAT
210901	AGTTCCACCT	TCATGGGATC	TCACTCAGCC	TTACATATTT	ACATAGTATT
210951	TATTTAGTTA	CATCTCCTAA	ATGTGTGCCT	TCTATTCTTC	AGTTCTATTT
211001	TCCGAGAACT	CTAGACTTAC	ATATCCAGTC	TGCCTGGGAG	TGGGGTTAGG

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211051 AGTCTCTAAT AGACATCCTG AAATAAGCAT GTACGAAAGA ACTCTAGACT
211101 CACATATCCA GTCTGCCTGG GAGTAGGGTT AGGAGTCTCT AATAGACATC
211151 CTGAAATAAG CATGTACTAA AGTTAAGCCC CTCATATACT CTACCCCTCAG
211201 TCCAAATTAG CTCCTCCTGA GCCAACCTCG ACTGACATCC TTTCACCTCAC
211251 ATTCATATCC AATCCATAAG CAAAACCTAT TGGCTTGACC TTAAAGTAT
211301 ACTTGGAATT TGACCACTAC TTTACTACCTG CATTCCTACT GCGAAAGCCA
211351 TCATCACCTT GTCGTAGCTT CTTACTGGTC TCCTACTAAC CCTCCCGTCT
211401 CATTCAAAGC AAAGAAAGGC TTTTCAGTAC TTCATCATCA TCACCTCACT
211451 AAGCCCCTCT CTTCCATCAA CATGAGAATT GTCCTCACTC ACTCCACCCT
211501 TCCAGTTTCT GGAACACACC AAGCATGTCC CTGGCTTTGG GAGCCTTGAA
211551 TGCTCTTCCC ACCAGATACA CAAATGATTT GCTCCCTCCC TGTCTTCAAG
211601 TCTCTGTTTA TATGTCATCT TATCAGGGAG GACTCTGACC ACCTTATATG
211651 AAATAGCTTT CACTGGACTG AGAATCCCCT CTTTCCTCTC CTACTTTATT
211701 TTCTTCCATA GTCTTTATTG CCGTCTGAGT GGCCACTATT GCTTATTCTT
211751 TTATGGCCTG TCTCCCTCTG CTAGAATGAA AGCCAGTAGA GCAGATATTC
211801 TATTTTTTTT CACTGCTATA TTCCCAGCAC CTTGAACAGT GTTTATCACA
211851 GAACAAATAC TTAGTAGATA TTGTGGAATA CGTGAATGAA TGGATGCAGT
211901 GTACAGTCTA GTGGTACAGG TAGCCAATTA GCCAGGACAC AAACAAAGAA
211951 GTAAGAGCAA CTAGAAAACA AAGAAGCTGA AGTGATAGAG GAATGGGCAT
212001 TTGGGGTTTA GGAAGACCT ACTAATAAGG GAAGTCAAGG AGAATTTCTA
212051 GAGATTGACT TTTCAGCCAT GACCTGGAGG ATGGAAGGA GCCAGCCCTT
212101 GATGGGACAA AAGGGAACCT GGAGAAGAGT GCTTCACAGA GAGGGAACAG
212151 AGATGAGGG AAAGCTCCAG GTCATGAAAA CCTGGGCGCG TTCCAGAAAC
212201 TGCATAGTGA GCAAAAAGAT CATAGTGAGC AAAAAGATCT TGGGGATGAT
212251 AGAGATATTC TTTACCTTGC TTTAGGTGGC ATATACACAG GTGTATACAT
212301 TTTTGAAAAC TCATAGAATT GTACCCTTAA GATCTTGCA TTCACGATGT
212351 GCAAATTTTA TCTCAATAAA AATAATGCAT CATTAAATA TACATCAAAA
212401 AAAGAAAAAC TACAAAAAAA CTACAACAGA GTTGCAATAT TCATGTAGAT
212451 AGATGAGCTC TATAGGTCTG CAGCCTGCAT TGAGGCCACT TCCTGGCTGC
212501 TTGTGGACAG TGCTGGCCA CAGCTTCAAG AAGGTCTGGA TACACTCAAA
212551 TGAAGCCTCT CAGGAAAAAA AAAACATGGG TCCAGAGTGA CTCTGGGTGA
212601 GGAGGGAAGA GGAAGAGGGT TTTGCATGAT TTGGTGGGAT TTACTTCTCT
212651 ATGGGATGGC TCTGAGAGAA GAGGTGACCA AGAGGTGAAA GAAATCAGCC
212701 CGTTTATACC CTAACATCTG TTGACATAAG GTTGACTGAG GACGTGCCTG
212751 GGGTCTGAGC AAGATGAAGC TCAGCTGAGC ACTTCTCCTA GCTGGGGCTG
212801 TGATAGAAG TTATGCGTAC TCTACTCTAT ATATACCTTT ATAGGTCTAT
212851 GCCTGCTCAG GATTGTTTGG CAGATGGAGG ACATGGTGTC AAGCCTGGCA
212901 GCACAGCATG AAAGCAAAGC ATGCATGCAT CCATTCTCAC TCAGAGCAGC
212951 TTTCAGCCAC TGGAACATA AAACACTTCT GTAGCTCTGA ACCCATCTAT
213001 GTGTGTGTTG ATATGTGCCA AGCCTTCTCT AGATATGCCT TCGGGAGTCA
213051 GTATAGCCTA CCAGCCAGGA GAGTGCTGAG GGTGCTAGAT GTAGACAGAT
213101 GGCTGAGTTT TCACACCTTC AAGGTGAAGG AGCAGTGAGC AAAAGAATAA
213151 CCTTTTGGGA GACTCTCAAG AACATCTAAA GATAGATATG CAATCTCTAA
213201 GGGACTGCTG GTGCTCAAAC TGAGCTCTCA TCCCAAAC TAAGTTCTGTG
213251 GCAGCTAGGT AGCTTTCATT CATTCAATCA TTCATTCAAT CATTACACA
213301 GTCACAATTC ATTTGTTACC AAACAATATA CATAATATTA TATATAGTTA
213351 TCATTTTACA GATATCATTC CCTTAGTTAT CCATTCACTG TCAATGAGAA
213401 CTGTGTAAT GGTTTTCACT TACCTAACTT TCAAACAAA CCCTGTCATT
213451 GGTTTTCCAT CTCCAATCT TTAAGTTTCA AACTTGGTCA ATATTTTCT
213501 TAACCAAATC ATTTATCTAT TGTTTTATG CAATGTAATT TTTTTTCCC
213551 TTTAACTCAT TTAGCGAGAG CAAGTTCCT GTGGATAGTG GAGGAGGGAA
213601 GAATATGGCA TCTTATGTCT TTAAGCCTTG CCTTCCTCTG GCTCCTTCT
213651 CAGAATCTTT ATCCACAGAA AGGCTAACTG TTCTTAGACT TGGGAAAAAC
213701 AAACCTCTTA GAACTAGGCT TCTCCCATGA GTGGGTTTTT ATTGGTTTGT
213751 TTCCTAATAG GTGTGGCAA ACCTCTTCC TACCTTGCTG CACCTTTTCT
213801 ACTGGAGTTG GCTGCAGCTT GGACAGTACG CCACAACCAG AGTCTCTTGG
213851 ATAAGTGAAT GTCAGCAACA GCTTGAGAAA CAACTGTCA GAAAAGGATT
213901 ATTTTCTCC AAATGGGAGG CTAAGGCTTC ATCTCTCTTC CTTGTCTTGT
213951 TATACATTTG ACACATAATT GGTTTTGTG GTTGTGTGTG TTGTGTGTGT
214001 TAGAAACAGG GTTTTATTTT TGAAAACAGA AAAAGCAAAC AATATTTTAA
214051 AAATACAGTC TATCGATGTC ATCATATTTG GCTTGAATA CACAAGAATC
214101 CAGTGACTGA AATGCTGTG CTAAAAACAT AAACATTTTC TTATATCAGT
214151 TCCAACCCCT TTTAATTAA TAAATATTTT CTGAATGAAA TACAACCTGGA

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214201 TAATGAAGTG ACACAGTTTT TTTCTTGTGA ATTGAATCTT TCGTTATGAC
214251 TAGCTCTAAG TGAGGAGATC ATCTGGATTA TTTTGTCAAA CAACTGCCTG
214301 ATAACATAA GAAGATCTAC ATGGTGTGAT TTTTACAATC CTGTGAAGAC
214351 CCCATCTGAC TTTCTCCTTT GAGATTGCCT GCTTGCTGCT GCCTAAACTT
214401 TTCTTATTAG AAATTAATCT CTCTGATATG AGGTCATATG CCTTATGAAA
214451 TACAAATATC CTGAGAGAGA TAACACATAA ACTTTATCAA CCATTTTTTTG
214501 GTTTTAATGG ATCTGTCATA TCTCTTCTTG ACAGAGAGCA TATTTTAATA
214551 GATAGGAGAA TGAAAATAAA TATGAAGGCA TATATTAGCT CCCTTGTGAA
214601 GAAAATATAC TTGTTGGGAA GTGCAGGAGT GTAGAGAAAA GAGTAAGAGC
214651 AGAGAAAGAG GAGGGTTTTCT AAATTGTCAT ATTCCTTGAC CCAGTAATTC
214701 TATTTCTGAT GGGCCAACCT AAAGAAATAA CAATAAACAT GAAACAAAGA
214751 TGTATGTGTA AAGATAGTCA TTGCAGTATT CTTTAAACAA AAATAAAATG
214801 AAAGCAATCT AGATGTCCAA TGATAAGGGT ATGGATAAAT ACATATGATA
214851 TGCTTTTAGG GAGCAATGGT CCAGCCATTA AAATTATGCT TCTGAAGAAT
214901 TTTTAATAGC GTCAGAAAAA AGTCTGAACA ATATTGTACA TTTTCTGTTT
214951 GGAAACAGAA AAACCAACA ATGTTTTTAA AATGCAGTCT ATTGATGTCA
215001 TCATATTTGA CTGGGAATAC CTGAGAATGC AGTGACTGAA ATGTGTGTTT
215051 TAAAAACAGA AACATTTTTT ATATCAGTAC CAACTCCCTT TAATTTAATA
215101 AATTTAATAT TCCAAACAAT ATTGTACAAC AGTACATTGT ACTGTTTTTT
215151 TGTGTATTTT ATGTATAGAC ACACATACCG TACATATATA GTATAATCTC
215201 AAATATCTAA AAGATAGGCA TGCATATAGC ATACATATAT AGTATGATCT
215251 GAAATATCTA AGAGATAGAT GTATATAGAA AAGACTGACT ATATATGTTT
215301 ATGTGTGTGT GTTTGTATTA ATAGCAGTGG GATTTGGGGT ATTTATTTTC
215351 TTTGATAATT TTTCTATATT TCCAGATTAA AAATAAATGG GAATTGTTAG
215401 AGAAAACATT ATTTTCAATA TTTGTATTTT GACATTGTCT AAAAAGGGAG
215451 ATTCCTTCAG ATATGATAGT TTTTTCCTGT GGCTGCTAGG CAGGCATTGA
215501 TAGTTATCAT GTACTTCATG GATCTGACTG GACCTTTTGA GAACAGCTAC
215551 CATTCTCCA TAAAAGCAAT GTCTAATTCA TTAGTGAAT GACTGCATAG
215601 GTTTCTGAAA AAAAATGTGG GCATTTGACT AAACCTGAAT CTGTGGGACA
215651 GTTTTCTGAGA ATTTGAATCTT ACAAGATATT CCTCATGTCT CTAAGGCATG
215701 TTATTATAAT GGAGGGGTTT GTGGCTATGG AGGAAGGAGA CTTGAAGAAC
215751 ATTTAAGTTC ATCAACAAAG AAGCCGTTGT TATTTTCACA GCATTTGAAA
215801 ATCTGGCTTC CCAGCACTTG GCTGAGATGA CTGAAGGCTG GTGACACTGT
215851 AATTTGGCAT CTAGCAAGAT GCAGTTACTC TCTCAGGCCA CTTAGCTCCA
215901 GTAAAGTTCA ATTTAAATTA TGAAACAGGG AAGAAATGCA AAAGTTCCAA
215951 TCAGCAGCAT AATTCTCAAT CACACTGGCC ATAATATGCT CCTGAAAGAT
216001 GTTTTCTTTG ACTGAATCTT TGCTACGCCC GGCTGATTTT TGTATTTTAA
216051 GTCAAGTCGG GGTTTGACCA TGTGCGCCAG TCTGGTCTTG AACTTCTGAC
216101 CTCAGGTGAT CTGCCCACCT TGGACTCCCA AAATGCTGGG ATTACAGGCG
216151 TGAGCCACTG TGCCCAGCCA TAAATTCTTA ATTTTCCTTA GTATAACCAC
216201 AAACCTGAAA ATAATTAATA CTTTTCCCAG ATCATTAGGA TGCTGTTTTG
216251 GATTATTTCA AGCCTGCTTG GTGGAGGACA AATTTATTTT GTATTGAAGA
216301 CAATATTTT ATCAAAATCA AGTTCTGTGA TTTCCCCAAC CGTTATGGGG
216351 GAAGTCTGAC TCTTAATGAG GGTTAAGGTA AATGACGAGT GGTATTCCTA
216401 GATTTAGCAC TCCTGAAGA CCATACATTT CCAAAGAAGA GCTAGTTGTT
216451 CTCCAAGGGA AAAAATGCAT TAGATTTCTG CTGTATTGAC TAAATTGTAA
216501 ATTGAATAAA ATATTTCTTT TATTTCTAATA GCATTTACTA TGTTTATAGA
216551 TTTAATATGT ATTTATTATA GATAATTTGG AAAAGACATA AGCACACGAA
216601 GGAGACAATA AAGATCACTC ATAATTTAAT CTTTATGTC AAACCACTGC
216651 TAACATTTT TTGTATGTTT TTGCCATGAC AGATAGAGCA ATAAATCTAG
216701 AGATTGTTAT GGAGAGAGTG ATGTAGATAT ACATAAAGTT ATTTTCTTTT
216751 TTAATAATAG GATTATACTG AAATAATTTT GGAACCAGAT TTTTTTTTCTG
216801 CCTAAATGTA GTAAGAACAT TTTTCCATGT TATTAAGTAT CCTTCTACCA
216851 TACAGGGAAA ATAAACATTT CTCCCTTATT TTGACAGGAC AGTGATATCG
216901 AAGCGTTGGC CAGGTGTTTG GAAAATGTCC TGGGTTGCAC TTCTCTAGGT
216951 GAGTAAGTTC CTTTAGGCTT CAAAATACAT TGACAGCTAC TGATTATCTT
217001 GGAATAACTT GGAAGAAATC TTACAGGTGT TTAAGTCTGA TATCTTAGTA
217051 TAACAGATGA AGAACTGAG GCCAATAGAA GTTGAATGTC TGACCCAAAA
217101 GCCAGGAAAC TCAAAGAAAA ATTGCTTATT ATTATTGTAA GTAACCTTTA
217151 GTCTCCAAGG ATGAAATAAT TGAAATTCAG TGGTCCCTTG TGATCAAATG
217201 GCAGCCTAGC AGTGCATAAT AACAAGTTTG TGCAGTTTCT GGAAAAAGGA
217251 ACCTCCCTAC CTAACCTGTC TTTTAGAAGC AGAGAGCACA GTACATTCAG
217301 TTAAGCTGGG AGGACCATCA CTCCGAAGGT CAGTCAGTTA TTTGAAGAGA

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217351	TTTGGTCTGA	AAAACAAAC	TAAAACTTGT	TTAGCATTGT	CAGTCTCAAT
217401	AAATAGGATT	GCTATGCTTC	AGGGATAAAG	CCCTATTTCT	TAGTTTCTTC
217451	TATTTTTTTT	TTAATCTGAG	AAGCCTAACT	GAGATACACT	CTAGCACTAG
217501	ATGATAAACA	GTGACACAGA	GTATTCTTAC	TAGATGAAAA	GGGCTGAGAT
217551	ATTTTTTTCT	TCTAAATTTG	ATTACAAGTT	TTTATTTAAA	AAATTTAAAC
217601	TCTAAACCAA	AAGCAATCTC	TTCAAAGGGA	ATTGGCAGGT	AAAAACAAC
217651	ACTTAAGTTT	TACGGTGGGC	ATCAACTTAC	TCTTTTATTA	GGAGCTTTAT
217701	GCACAATTTA	TAGCCTTTTT	CTAGCTTATT	CCACATCTCC	ATATGGGAAA
217751	CCTCAGTCAT	AACATAAGTC	TTTGATTTTC	TCACCTGACC	ATCACCTGT
217801	GATCTGTTTA	ATTGTATATC	AAATACACTT	ATTTGATGCA	TTTAACATTT
217851	AACAAGTAGA	TTTAACATCG	AAGCATGACT	TAAGACCAGG	AAGGCTTTTT
217901	CCTCTCTGCA	CCTTAGATTA	GATGACTAAT	TTTCAATCTA	GGCTCCTTAG
217951	AGACTCTCCAG	CTTAGAGGGT	TGGTGGTACT	AATGCAGCTA	GAACAGGAAG
218001	CTGTGTCTGT	ACTGCTCATC	TCTATTTTTT	CAGAGTCTAA	CAGTGTGTCT
218051	GGTGCAGCAG	AGGCTCTTTA	AAAATATTTT	AAAATATTTG	TGGTCGAAGG
218101	TGGTGGCTCA	CACCTGTAAT	CCCAACGTTT	TGGGAGGCTG	AGGTGGGAGG
218151	ATCACTCGAG	GTGAGGAGTT	TGAGACCAGT	CTGGGCAACA	TAGCAAGACC
218201	CCGTCTCTAA	CAAAATTTTT	TAAATTTTTC	CCAGGCATGA	TAGCCTGTGC
218251	CTGGAGTCCT	AACCTCATGG	GATGCTGAAA	CTAGGAGATT	CCTTGAGCCC
218301	AAGAGATTTA	GGCTGCGGTG	AGTTGTGATT	ATACCACTGT	ACTTCAGCCT
218351	GGGTGCTAGA	GTGAGACCCT	ATCTCAAAAA	TATATATTAT	TGTTATAATT
218401	TCTATAAAGT	AAAGGGGTAC	AGTGCAGTTT	TCTTACACAG	ATATATTGCA
218451	CAGTGGTAAA	GTCTGGGCTT	TGGTGTAAT	CATCACCTGA	ATATGGTACA
218501	TTATACCCAT	TAAGTAATTT	TTTTATCACT	CACCTCTCTC	CCAATTTCCC
218551	ACTCTTCTGA	GTCTCAACAG	TCCGTACTCT	CACACTGTAT	ATCCATATGT
218601	ACACATATT	TAGTCCCAC	TTATAAGTGA	GAACATTGGT	ATTTGACATT
218651	CTGTTTCTGA	GTTGTTTCAC	TTAAGATAAT	GGCCTCCAGT	TCTTTCTATG
218701	TTGCTGCAAA	ATTTCATGAT	TTATCTTTTT	TTGTGGTTG	AATAGTATTC
218751	CATTGTGTGT	GTGTGTGTGT	GTGTGTGTGT	ACTGTTATCC	AATCGTCCCT
218801	TGACGGACAC	TTAGGTTGGT	TCCATATCTT	TGCTGTTGTG	AATAGTGTG
218851	CAATAAACAT	AAAAGTGCAG	GTATCTTTTT	GATATAATGA	TATAATGAT
218901	TTTTCTTTTG	GGTATATACC	CAGTAGTGGG	ATTGCTAGAT	TGAATGGTAG
218951	TTCTTTGAGC	AATCTCCATA	CTATTTTTCA	TACAGGTTGT	ACAAATTTAT
219001	ATTCTTACCA	AAATACTGTA	TAAATGTTCC	TTTTTCTCTG	TATCCTCATC
219051	AACATCTGTT	ATTTTTTGTC	TTTTTAGTAA	TAGCCATTCT	GACTGGTGTA
219101	AGATACCTTC	TTGTGGTTTT	AATTTGCATT	TATCTGATGA	TTAGTGTATG
219151	TGAACATTTT	TTCATATGTC	TTTTGCCCAT	TTATGCTCTC	TTCTTTTGAA
219201	AAATGTCTGT	TCATCATAGT	CTTTTGCCCA	CTTTTATTTC	GAGTTAGTTG
219251	GGGTTTTTTT	GTTTTTTGTT	TTTTTGTTTG	TTTGTTTGTT	TTTGGTGATG
219301	GTTGTTTGAG	TCCCTCATAA	ATTCTGGATA	TTAGTCCCTG	CCAGATTGAT
219351	AGTTTGCAAA	TATTTTCTCC	TGTTCTGCAG	ATTGTTTGTT	TAAGCTGTTG
219401	ATTTGTTTTCT	TTTGCTACAC	AGAAACATTT	TAGTTTAATT	AAGTCCCATT
219451	TGTCTATTTT	GGTTTTGTTG	CTTATGCTCT	TGTAGTCTTA	GTCAATGAAT
219501	CTTTGCATAT	ACCAATTGTC	AGAAGAGTTT	TCCCTAGGTT	TTCTTTAAAC
219551	AAAAAAATTT	TTTTTATTCC	AATAGGTTTT	TGGGGAACAG	TTGGTGTTTG
219601	GCCACATGAA	TAAGTTCTTT	AATGGCAATT	TATGAGATTT	TGGTGCACCC
219651	ATCACCCCTAG	CAGTGAAAC	TGTACCAGC	GTGTAGCCTT	TTATCCCTCA
219701	CCTCCCTCAC	CCTTTCCCCA	CAAGTCCCTA	AAGTCCAAAT	GTATCATTTG
219751	TATGCCTTTC	TGTCCTCAT	GCTTAGCTCT	CACATGAGTG	AGAATATAG
219801	ATGTTTGGTT	TTCCATTCCCT	GAACACTTTC	ACTTACAATA	ACAGTCTCCA
219851	TTTCCATCCA	GGTTGCTGCA	AATGCCATTA	TTTCATTCCCT	TTTTATGGCT
219901	GAATAGTATT	CCGTGGTGTG	TGTACCACAT	GTGTATGTGT	ATCACATTTT
219951	CTTTATCCAC	TCATTGATCG	ATGGACATTT	GGGCTGGTTC	CATATTTTTG
220001	CAATTGCAAA	TTGTGCTGCT	ATAAACATCA	ATGTGCATCT	TTTTCATATG
220051	ATTACTTCTT	TTCCCTCTAG	TAGATACCTA	GTAATTGGAT	TGCTGGCTCA
220101	AATGGAAGAT	CTACTTTTAG	TCCTTTTAAAT	AATTTTCATA	CTGTTTTCCA
220151	TAGTGGTTGT	ACTAATTTAC	ATTCCCATCA	ACAGAGTAAA	AGTGTCCCTT
220201	TTTCACTGCA	TCCATGTCAA	TATCTATTAT	TTTCTGATTT	TTAAAATTAT
220251	GGCCATTTTT	GCAGGAGTGA	GGTGGTATCA	CATTATGGTT	TTTATTTTGA
220301	TTCCCTGAT	ACTTAGTGAT	GTTGAGCATT	TTTTTCATAT	CTTGTGGGCT
220351	ATTTGTATAT	CTTCTTTTGA	GAATGTGCTA	CTTATGTCTC	TAGCCCACTT
220401	TTTGTATGGGA	TTTTTTTTTT	TTTTCTTCTT	GCTGACTGTG	TTGAGTTCTT
220451	TGTAGATTCT	GAATATTAGT	GCTTTGTTGG	ATGTATAGAT	TGTAAGGTTT

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220501 TTCTTCCACT CTGTGGGTTG TCTGTTAATT CTGCTGTTTA TTTCTTTTGC
220551 TGTGCAGAAG CTTTTTAGTT TAATTAAGTC CCATCTATTT ATCTTTGTTT
220601 TTGATGCATT TGCTTTTCAGG TTCTTGTTAA TGAAGTATTT GGCTAAGCCA
220651 GTGTCTACAC GGGTTTTTTC TGATGTTATC TTCTAGAATC TTTATGGTTT
220701 CGGTCTTACA TTAAAGTCTT TGATCCATCT TCAGTTGATT TTTGTATAAG
220751 GTGAGAGATG AGGATCCAGT TTCATTCTTC TACATGTGAC TTGCCAATTA
220801 TCCCAGCACG ATTTGTTGAA TAGGGTGTCC ATTTCTCTACT TTATGTTTTT
220851 GTTTGCTTTG TTGAATATCA GTTAGCTATA AGTATATGGC TTTATTTCTG
220901 GATTCTCTAT TCTGACCCAT TGGTTTTTGT GCCTGTTTTT ATACCAGTAC
220951 CATGTTGTTT TGATGACTAT GGCCTTATAA TATAGTATAG TTTGAAGTCA
221001 GGTAATGTGA TGCCCTCCAGA TTTATTCTTT TTTCTTAGTC TTGCTTTGGG
221051 TATGCAGGCT CTTTTTTGGT TTCATATGAA TTTTAGAGTT TCTTTTATA
221101 GTTCTGTGAA GAATGATGGT GGTATTTGAT GGAATTGCA TTGAAGTCAT
221151 TTTACAATG TTGATTCTCT CCATCCATGA GCGTGGGATG TGTTCATT
221201 TGTTGTCATC ATCTATGATT TCTTTCATTA GTGTTTTGTA GTTTTCCTTG
221251 TAGAAATTTT TCACTTATTT GGTAAATGT ATTCCTAGGG TTTTTTTTTT
221301 TTGTAGCTAT TGTAAATGGA ATTGCCTTCT TGATTTGGTT CTTAATGTGA
221351 TTGTTATTGG TGTACAGAAA TGCCATAGAT TTTGGTATGT TTATTTTGTA
221401 TCCTGAAATT TTACTTAATT TGTTCACTA ATCTAACAGT TTTTGAGAA
221451 GTCTAGTGTT TTCTAGGTAT AAGATCATAT GATCAGCAA CTGAGATAAT
221501 TTGACTTTCT TTTTCCAAT TTGGGTGCTA TTTATTTTTC TCTTGCTTGG
221551 TTGCTCTGGG TAGGACTCCT AGTACTGTGT GGAACAGGAG TAATGAAAGT
221601 GGCATTCTT CAGTTGTACC AGGTTTAGGA GAATTGCTTT CAACTTTTCC
221651 CCATTCAGTA TGATGTTGGC TGATAGTGTG TCATATATGG CCTTTATTAT
221701 TTTGAGGTAG GTTCTTTTAA TGCCTCATTT ATAGAAGGTT TTATCATGAT
221751 AGAATGCTGA CTTTTTCAA ATGCTTTTTT TGCATCTATA TAGATGATCA
221801 TATGGTTCTT AAAAAATTTA TGTGGGTACA TAGTAGGTGT TTGTGTTTAT
221851 GGAGTACATG AGATTTTTTA AATAGGCATA CAATACATAA TAATCATATC
221901 ATGGAAGCTG AGGTTTGGGT CTGGAATAAT GCTTGGGGCA CTTCTGGAG
221951 CCTTTCTTTC TTACAGCCTG CCAGCCTTTC TCCAAGTTAG CACCAGGGCT
222001 GGTGAGGGAC AAGGTGCTCT TCCATGGCCT GGATTGCATG GTCCCCCGT
222051 GGAAAGCTGG ATCACAGAGA AACAGTCTCT CTCACTCTCC CATATTAGGG
222101 CTTTACTCAC AGTTCCTCAGT CAGTTGTTGG CATGCAGGCT GTCTACCCAT
222151 CCTCTCTTCA CTGGGATCTT TCCTTTTCCA GTGAATTCCT CTGTTCTTTC
222201 TTGAATAAAA GATTATAGTG TGAATCTCTG TGCACTATTT TGCTTTTTC
222251 ATGTGAAATA TTTAAAAATA TTTTLAGGAG AAATTAGATG CAGACCCTGT
222301 TCTTTTACCA GTTTCACCCA AAATTATCTT CACTCTTATC TGTTTTATAA
222351 ATTGAATTTT TATAAAGAT TGTGTCTGGA AAAAGATAGA TTCCACTGCT
222401 AAAAATTGAA ATAGCACTGA TTGAATAGTT AATATCCAAA TTCCTTTCTA
222451 GGCTGGGTGT TTTTTTTTTC CTAAAGAAA TGAGCATTAG AATCATGGAG
222501 TAAAAATACA CATTATATCT TGCTTGAAGT CCCACTAACA TGACAAAAAA
222551 GGAAGAGAGC TAATATAAAC CTACAGAAAA AAAAGAGAAC ATAAGAGGAG
222601 ATGGAAGCAG ATGAGAGCTT TAGTGAACCT GAGAAAGATA TAAAGCAGAT
222651 AGATGAGTGA TAACGTATTT AGAAAAACAGA GAAAGCTGAA AGCTAAGTGC
222701 CTAAGATGTA TATAGGAAAG AAGGGAAGGT AAGGTGTAGG CTAGGAGAAG
222751 CAAGGCAACT GAACCTACAG AATCTCATAA ATGCTCAAGA TTTGGAGGCC
222801 TCAACTACCG CTGAAGGCAT GGTATAGGTG AAGATTAATA TGGGAAGATT
222851 GGTTGACAGT GTGCGTAAGG AGAAATAGAC CCCAGGTGCC TTTCTCTCCA
222901 CTGGCACAGC CACAATATTC CTCTCCACAG TCAAGACAGA AGAAAAACAGA
222951 CTCGATTTGG GGAACATTG AATCAGGAAG GTTTTAGGGA CACCAAAGGA
223001 CAGGGTGATG TGATGTGATG AAAACAAAGA GATGAGTTGA AAGTCTTCAT
223051 ATTAAGTTAT GAAACCCCA GATACCATT CTACTTGGCT TCTGAAACAC
223101 TGGAAGAACA GCATGGACTC CTTCAGGTT AGAAAAGCAT GGACTCTTTA
223151 GAAGATATCT CTCTGACAGC ATTTACCAGC CTGAGAATCC TAAGGATGTT
223201 AACATTTCTT CAACAAAATG GTGGGAATGA GCGCTACCAG TTGACAATCT
223251 CTGAATCTGC AGAAAGAGCT TAAACTGACT TTTAATTTTT CACACTTAAA
223301 TGTGAACATG TAGCAATGCA GTAGCCAGTA TCTGAGGAAA TCTAACCAAA
223351 AAGAGAAATC AAGACAAAA TATACAAAGA ACTCAGGAAA CAGACAATGT
223401 AGACAAGAAA ATAAAAATTC AAAAAGTGTG TATCCACAAA AGTTTTTTAA
223451 AATAAAAAAT TAAAGAAACA ATATTAAAA TCTAAAAGAT AGCAGAGAAA
223501 GTATTACCTC TGTGAAGCAA ATCATAACAGA GAATAAGAAA GAGCTCTTAA
223551 AGTTATAATT TTAATGGCAG AAATAAAAA TCAGTAGAAG GTTTGGAAGA
223601 TAAAAGTGAG GAAATTTACC AGAATATAAT TAATAAATGG TAAGAAAACA

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223651	AAGTGATTCA	TCTACGTGAT	TCAGCACCTA	ACAAATAGAA	ATTCCAGGAA
223701	AAAAGAACAG	AAAATGAAAA	AAATTATCAA	ATAAATAAGA	AAAATATCTA
223751	GAGAGAATCA	AACAGACCAC	TTATAAAGTA	TCAGAGAAAA	GAGTGGTGTC
223801	TTATTTTTCA	ACAATAACTA	AAAGCTAGAA	GATAATAAAG	TTTGAACCTA
223851	CAATATTTTA	TCTATCCAAA	CTATAATCA	AGTGTGAGAA	AGGAAGAAAG
223901	ACATTTCGAC	GCATCCAATA	TCAAAATGTA	GGTCTGAAAA	ATATCTACCT
223951	CCCATGACTT	TACTTAGGAA	GTTCCTAGAG	GATATGCGTC	ATCAACCTTA
224001	AGAGTCAATC	AAGAAAAGAG	AAGACATGAA	CTTCAGGTGA	TAGGAAATCC
224051	AATATAGGAG	AGAGGTTAAG	GGGATTCCCA	GAATGAGAGT	AAAGAAAGGT
224101	CACTGAACGA	TAGGTGGGCA	ACAGGCCTGG	GAAATAATCC	ATTCAGACTA
224151	GAATGAGTCA	GAGAATTCCA	AGGGGTAAT	AAATATCTCC	TAGAGAGGAA
224201	TGGAACATA	GGATAACCCA	TTTGGATTTT	ATCATAATGA	GAGGAGTTTG
224251	CAGTTCCTTT	GGTAGGTTTA	GGGATGAATT	ACAAGTTATT	AGAAAACFAA
224301	ACAAAGTGAA	AAATCCAGGG	CAATTATGAA	CTCCTGGAAG	AACAAAAAGT
224351	CATTTTTTTAA	AAAGAAAATG	TAATCTGCAC	ACACTGAGTG	CTTAGCTGTA
224401	TACAATATTT	GCATAGTCAT	AATAATTTTT	TTTAAATGTG	ATGTAACATAT
224451	ATTGGAAGAA	TGGAGGGAAG	AAAAATATTT	GTAAGTGTAT	GTGTGCATCT
224501	GTGTGTGTGT	GTATAACAGA	GAGAGGAAG	AAAGAACAAA	ATTAACATTC
224551	CCTATTATA	TAGGAAGATC	CAAAACAGAT	TGCTAAAAC	AGAAAAGTTT
224601	AAAAAAATAA	GTTGTATAAA	CATGTGCTAT	AGAGAGATAA	AGGTAAATAC
224651	AAAAAATAAA	AAAAACAAGT	TAAAGAGTTG	AATATGGTTG	ACTTTGGAGA
224701	CTGGAACCTG	AAGGTGAGGC	AGGAAGCTTT	CTTGTTTTTA	ACATTAAAAG
224751	CTTTGACTTA	AAAAAGTACT	AGGTACATGA	ATTCTTAGAT	TAGAAGTCAA
224801	TTTTTAAAAA	GAGGTAAGTG	TTGGAAAGCA	AAGAGCCCAA	TTCTGCCCTC
224851	CATTACTTTA	GTGTGCCTGC	TATTAAGGCT	GGATTAGAAC	TTTTGGACAC
224901	TTTGATTTCT	GAGAAGATTA	TAGTAAACTA	AATTTGTAAA	TTAAAAAGAA
224951	GCTAGATTAT	AAAAATAAAA	ATACATATAC	CCTGAAGTTA	TAATAGCTTC
225001	TTTTCAGATT	ATCTGATTGC	AAGGTTCTGA	ATACGTTAAT	TAAATGTATT
225051	TTTCAGTTTT	GGATACCTTT	ACTCTGCTTA	TGTCCTGGCA	TCTGCTGGGA
225101	TGATTTTATAG	GACATTTTAC	AGTTCATTCC	ATGTAACCTG	TAAAGTGCTT
225151	GCTGCCCAA	ACTGTGCAAC	ACAGGAAGCC	CCTTAAACCT	TCTACTGCTT
225201	CTTAGACTTA	TGATGACCTC	TTATTGTGTG	TGACCTCTTA	GTTTACCAGA
225251	ACAGTAGAAT	TTAATTAAATG	CTGCTGCTGA	AATGGAAGGA	GTTCTTTGAT
225301	TATGGCTACA	GACATTGAGA	TGATGGGAGC	ACATGCTTTT	GAAATACCTG
225351	TCTGGTGTGG	AAACTCATAG	CAGGACCCTC	ATTACACATG	AGAACTTTAT
225401	TGCTTTCAGG	ACTGCAAGAA	CTTCCTCTGC	ATTATATAGA	AATCATGAAG
225451	ACAATCCCAT	CACATAGTCT	TATAAGGGTC	TACATTGCCC	CAGGTAGCTT
225501	GTGTCTGCTT	TGTTCTTACT	ACATTTTGGG	GAGGCCACT	AACTGTAATA
225551	ATAGTTAGAG	CTTATTAATC	ATTGTGGTTG	TTAATATATG	TCAGAATGTT
225601	AACAGGATCC	GGGGACAATT	TAAGCTTAAG	TATGTCAGAG	TATAAGCTTT
225651	TTCACTTCAA	AATGAAACCT	CTGTGAATTG	AACTAGGCTT	TACTCATGCT
225701	CATTATCTGC	CTAGGCACTT	TGGTAATGCC	CAGGTGCCTG	CAGAGCATGT
225751	CAAGATATGT	ATGTATCTTC	TACAACATC	TTCAAGAGCT	TCTCTATCT
225801	CTTAACCGA	GAAAGAAAGA	AAACAGACAT	ACACATGCTC	TTTCTGGTAA
225851	TTTCAACCAA	GAAATTTTTA	ACTTCGAAAC	CCTGAAAATG	CTGTGTGTAG
225901	TGGCTTGACC	CCATTCCCTGA	CCCCAATTTA	GTTTGAATTC	TACTTGGAAC
225951	AGGGACAGTG	ATATTTTTTCT	TTCTTACATC	ACAGATGAGT	GGACTTAATG
226001	AATGAGTTAG	CATTTGTGTG	GCTTCAGGAG	ATCCTGAAGA	TGACTTTTTG
226051	CATTTCAAGT	TCAGTGTATT	AGTCTCCTTT	ATAGCATCAA	GGTCAGATTA
226101	AAGCGTTGAG	ATCAGTGATT	TTTACACTTG	GGCATGCATC	TGAATTACCT
226151	AGAGGGCTTA	AAATACAGGT	TTGGTATGTG	TCCAAGAATT	TGTATTTCTG
226201	ACAACCTCCT	ACATGATGCT	GATGCTCTGG	GTCCAGACTG	CACTTTAAGA
226251	ACTATGGCTT	TATAATCTTT	AAGCCTTGAA	AGGATTATCG	TGCACACTCA
226301	CCCCAATTTA	TAATTCAAAC	AGAACAATAC	TAAAGTGTA	AATAAAAAAT
226351	TTATTTCCAA	AAATTATAGA	GAACCTAAAA	GCTATAAGCT	AAAATGAAAT
226401	GTTTTCTTCC	TAGATTTTTT	TTCTCTTTCT	TTCTGTGATC	CTGTCCTGTG
226451	TGATGGGCTA	TCTGGCACTG	TGCATAAGAG	TTACTGAGCT	TCCTTAGAAG
226501	TGGTATTGTA	TTTCTGCCTG	ATCCTCAGCA	TCCACATCAG	GCATTTAGAG
226551	AGCTCATGAA	GGTTCAAGGC	ATTGCATAAA	GAGTTGGATA	TTGAGACTCA
226601	TTTAGAATAT	GGTCCTTGTC	ATGAGGTGGG	CTCCTGGACA	GATCAGTGCA
226651	AGGTTTTGTG	AAAGTACCAG	GGAATACCTA	CTAGGTGCTT	TTCTCATACA
226701	TGGAATAACAA	ATTGTCTTAC	ATGAAGGCC	CTCATTTACA	AAACGCTAAA
226751	TTCCCAACAA	AAATTTCCCAT	GGGATACAG	AAGCAAGACC	AGACATGAAA

226801	AGGATATTAA	GTGATTCTAG	GCAGAATTAG	GAGAAAGAAA	GAGGGAAGAA
226851	ATGAAAAGGG	AACAGAAAAA	AAGTCCAGAA	TGAGGGCATG	GGGAATAGCC
226901	AATAATATAG	CCAATAGCTA	TTTTACTGAG	GGCAGATACT	TTGAACATG
226951	ACATTTCGGT	AGTTGAAATT	TCTATCCTTG	ATTTCTTTTC	CTCTTCTTCC
227001	TTCCCTACAA	ATGTTTATAA	AGTTTGCATT	ATAAGCCAAA	TGTCACAGAT
227051	AGAGTGGCGA	AGAAAACAAG	TCCCTGTCTT	AATGATTCTC	CAGTATAGTC
227101	AGGGAGGCGA	ATAATTACAG	AACACTGTGA	TGAGTACACC	ATACACTGTG
227151	AATAAGGCAA	ATGTGTGTTG	GGTGTGTACT	GGGGTATAAC	CCCAGTGCAA
227201	TGTACAATAT	CCCTGCTACA	AAGTATATTA	ACTTCAATGA	AACCATAATG
227251	CATGTGTATT	AAGTGAATTA	ATGATTGGTG	AGTTTCTCTT	TTAGCTATGT
227301	AAACTTGATT	ACTGGAACCT	CTTTCTAGTT	AACACCAATA	TACATAATGT
227351	TCTTTGCTAT	GAGTATGCTA	ATAAGAGTAA	TTAATAATAT	TGTTAAAGGG
227401	ATTTATTTTAT	ATTACAAAAGT	CTTTTCTGTG	CTACCTCCCC	TTGTCTACACA
227451	TGGATCAAAT	GGAGCTGTCT	GGCAAGGTAG	CAGACATGTA	GCATGTTCTC
227501	CGTAAGTTGT	CACTAATCCT	GAATCTGTTG	CGTTCCTTGG	AGTTTTAAAG
227551	AAGTTGTAGA	AATTTAAATT	TTTCATAAGA	CATAAATCTC	TATAAGACAT
227601	AAACAGAAGG	GATTAATGGAA	AACAGATATT	GTGTATCCAC	ATCAAATATG
227651	TCCAAGTGCG	TTATAATCCA	GAATATCCCT	TCTCTCTTCC	AATGAAAGTG
227701	GTGCAATGT	GTCCAGTAACC	AAGTAAAAC	AGTATGTTGA	AATCTCTGTG
227751	AGACTAGCAT	GAGAAATTTT	TTTCTGTCAA	GGTGAAAAAC	ACAATAGTGC
227801	AAGATTAACT	GACTTTAAGT	CATCACCACA	CTTAATGGCT	TAAGAGTTTG
227851	AAGAGCTTAA	GCAAGGGAAG	TTTCTAAGGG	ATTCAGAAGC	CCTGATGATT
227901	TCTCTGGTCT	ATATCAGTGT	TATTGTTTTAG	CAGAGATTAA	GGAATTATTA
227951	CCAAAGTTCT	ATGGAAGAAT	TGAGGGGTAA	CAATTTTCAA	ACAGCAAAAC
228001	TGATCAGACC	TATTAACACA	TTAAAAGAAT	CTTAATGGGA	AGTGAGTTT
228051	TGGAGCATCT	GTGAATTCTT	AATTACTTCT	GAAACAACAT	CCAGTTTGGG
228101	TGTACAAAGC	CTTTTTATAA	ATATAGTTTA	CCAAGGACAT	GTATAATTCT
228151	GCTGATAACT	TTTCTCAGCT	AGAAGTGCAG	CTAATTTGGC	TGGGCACAGT
228201	GGCTCACATC	TGTAATCCCA	GCACCTTGGG	AGGCCAAGGT	GGGTGGATCA
228251	CCTGAGGTCA	GGAGTTCAG	ACCAGCCAGG	CCAACATGGT	GAAACCCCGT
228301	CTCTACTAAA	AATACAAAAA	TTAGCCAGGC	ATTATGGCGG	GTGCCTGTA
228351	TCCCAGCTTC	TCAGAAAGCT	GAGCGAGGAG	AATCGCTTTA	ACCCAAGAGG
228401	TGGAGGTTGC	AGCAAGCCAA	GATCACACCA	CTGCACTCCA	GACTGGGTGA
228451	GAAGAGCAAG	ACTCCATCTA	AGAAAGAAGA	AGAGAGAGAG	AGAGAGAGAG
228501	AGAGAGAGCC	AGCCAGCCAG	CCAGCCAGAA	AGAAGGAAGA	AAGAAAGAAA
228551	GAAAGAAAGA	AAGAAAGAAA	GAAAGAGAGA	AAGAACAGCT	AATTTCCCAA
228601	ACATTTAAGA	ATGTTAAAGT	TTGTAGATTA	CCTTGGCTCA	TAATGTAGTT
228651	ACTAAGATAT	GGAGACAGAA	TTTTCTATTTC	TAGAAGTTTC	AAGAAAAATG
228701	AAGTTAGAGG	TCATCTTCTG	TCTTTCTTAC	TGAGCAATGA	TGATCCTAAA
228751	CAGTTACTGT	AGTAACATGT	GATCTGTTAT	CTGAGTAGTA	ATAACACATA
228801	CCCAGTTCTA	CATTTCAAGT	CACTGCTTTC	AAAGCACTCT	CCTTGTTTTGT
228851	TAAAGGTGAC	CTTTTCAGAT	CGTACTTTAA	AAAAATAAAA	CAGTGGGTATC
228901	CTAACCCACA	GGATGAGATT	CAAACTCCTA	ACCTGGCACA	CAAGATTTTTT
228951	TTCTGGCCTT	GGCCCTATAC	ATCTAGGTTT	ATCAATCCCT	TCCTCACACC
229001	TTACATTCCA	GTAGCACCAA	ACTTCTTGAT	ATTTCCATGA	ATATACTCAG
229051	TTGTTTCACA	CTTCTGAGCT	TTCACACTGC	TTGATCCTTT	CTAGAGAATG
229101	CTTCCCCTCC	CGACTGCTTG	GCAGCTCTAC	TTCTATCTTT	CTATTCATTC
229151	ATTAAGTGAT	TATTGAAAAA	AAAGTTGTAT	GCCATACTAT	GTGTTGGCCT
229201	CTGAGAATAT	TTCACTGAAC	ACAACCTTGC	CCTGCCCCTCA	CAACACCAGC
229251	AATTACAAAC	CTTCTACTTC	TCTGTAAGC	TTTTCTTGGG	TTGCCAACTG
229301	ATTAGACCAT	GTCCAATAAA	GGCAAATGCC	CAGCTGTAAC	CAGTAAAGCT
229351	GGTTCTATAC	CTCACTTCCA	TTTTCTATCG	ATAAATGCTG	CTTGCCCTGCA
229401	GAATAGAGTT	CTCCAAACCT	CTTGTGGTTC	TGAGGGCTGT	CCAATTCATA
229451	AATCATTTCT	TGCTTAAATA	AACAGTTAAA	TTTGTCCTCA	AAGGCTGGGA
229501	AGGAGAGAAG	AGAGAGAAGT	AAGAAGAGAT	TGGTCAATGA	GTATAAAGTT
229551	AAAATTAGAT	AGGAGGAGTA	AATTTGCGTA	TTCTATTGCA	CAGTTGGGTG
229601	ACCGTGGTTA	GCAATATCAT	ATTGTACATT	TCAAAATGGC	TAGAAGAGAA
229651	GATTTTGGAT	GTTCTTACCA	CGATGAAATG	ATGAATGTAT	AAGGTGATGG
229701	ATATGCTAAA	TACACTGATT	TGATTTTTTAT	ACAATGTATA	CATTATCTA
229751	AACACCACAT	TGTATCCCAT	AATTACATAC	AATAATTATG	TGTCATATGAA
229801	AACAAAATTT	AAAACAATTTT	TAAGAGATTT	AAGAAATTA	TTTGTTCAAA
229851	GTTAATCTTT	TAACCCTAAG	TTCTAAAAAC	TTACTCTAAC	ATAGTCTTTC
229901	TACAAAGACT	ATGCACCAAT	ATAGTGATTT	CAAACTGGT	TTTAAGGTAA

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229951 ATGCAGAAAT ATTTTTTATG TATTTGTTTC TTATCCTGAC CTACCATAAA
230001 AGCTCAATGC CTATATTGGT CCTCTATGGA TGCATAACAA ATTACTCAAA
230051 AACATATGGG CTGAAAACAA TGATAATCAT TTATTACCTC TCATAGTTGC
230101 TTAGAGTCAT GAATTTAGGA GGGCGTAACT GGATGGTTCT GGCTCAGGGT
230151 CTCTCATGAG TTTGCAGTTA GCTATCACCC AGGGCCACAG TCATCTGAAG
230201 GCTTCACTGG GGCTGGAGAT TGCATTTCCC AGATGACTCA CACAGCTGGC
230251 CTCAGATCCC TTCCAAATTG GCCTTTCCAC AGAGAATCTT GAGTGTCTCT
230301 AAGGATAATA ATGTTAGATA CTGGGCACAG TTTTTAGACT GACCAATATT
230351 GCTGCCTTGG GAACCTGGAT GTGGCTGATG TTCCTACCGC AAACCTGCCT
230401 GGATGGACTT CATGTGGTCT CTGCTTCTTC TCATTATCAA TTTTTTTTTA
230451 AGACAGGGTC TCACTCTATT GCCTGTGCTG GAGTACAGTG GCACAATCAT
230501 GGCTCACTGC AGCCTTGACC TCCTGGGCTC AGGGTAATCC TCCCGCTTCA
230551 GCCTCTCATG CAGCAGGGAC TACAGGCATG TGCCACTATG CCTGGCTAAT
230601 TTTTTTTTTT TTTTGTATTT TTTGTAGAGA TGGGGTTTTG CCATGTTGCT
230651 CAGGCTGGTC TTGAACCCCT GGGCTCAAGT GGTTCACCTG ACTCAGCCTC
230701 CCAAAGTGCT GGGATTACAG ATGTGAACTA CCATGTCCAG CCAAATTCAT
230751 TTTACTGGCA GAGGCTGGTC ATATTTCTAC ACCCTAATTA CATGGGAGAC
230801 TGGTAAGTTA GTCTTCGGCA TTCATGGCTT TAATGGGAGC CAGGCTCTGT
230851 CTCACAAAGT AAAAGATTCC CCTTACAAGG GAAATGAGAA TGTAAGGCCA
230901 AAAATAACAA ATATTTACTA TATTAATGAG CTCCACTGTT GTAAGGATAG
230951 AATTTTAGGA ATAAGTAGAG ATGTGAAAGG AGAGATGGCC CTTGCGGTGT
231001 CTTGTGGAAA CATCTCCTCT TTTGGCTTTC ATAGAAGCTA AGGAGTACAT
231051 GATACCAAGT AATCATTTT CAATTTATCT TCTGTTCTGC TGACGATAGT
231101 GAGAGCTACA TGCTTCCCCC GCAATTGTCA GGATTCACAT TCTAATGAAA
231151 AGTGAGAACG CATCCTGGTG GTAATGTAAG CTAAGTACAAC CACTATGGAA
231201 AACAGTATGG AGATTCCTTA AAGAACTAAA TGTAGAACTA CCATTCAATC
231251 CAGCAATCTC ACTACTGGGT ATCTACCCAA AGGAAAAGAA GTCATTATAT
231301 GAAAAAAGAT ACTTACACAT GCATGTTTAT AGCAGCGATT GCAAAAATAT
231351 GGAACCAGCA TAAATGTTCA TCAACCAATG AGTAAAGAAA ATGTGGTATA
231401 TATATATATA CACCATGGAA CACTACTCAT CCATAAAAA GAACAAAATA
231451 ATGGCATGCA CAGCAACCTG GATAGAGTTA GAGGGGCCAT TATTCTAAGT
231501 GAAGTAACTC AGGAATGGAA AACCAAACAT CATATGTTCT CACTTATAAG
231551 TGGGAGCTAA GCTGTGGGGA CACAAAGGCA GAATGATATA ATGGACTCTG
231601 GGGACTCAGG GGGGAGGGTG GGAGGGGGTG AGGAATAAAA GACTACACAT
231651 GGGGCACAGT ACACACTGCT CTAGTGATGG GTGCACCCAA ATCTCAGAAA
231701 CCATCACTAA AGAAGTTATC CATATAGCCA AAAACCACT GTTCCCCAAA
231751 AACTATTGAA ATAAAATAAA ACAAAAATTT TAAAAACTTA AAAAAAGAGA
231801 AGGAAGTACT GCTGATACAC TTTCTTAAG TATTTGAATC AGTCTTGAAG
231851 CCAGATCAAC CTCCTATTAC AGAAAAGCAG GTTTTGTTTT TAAAGCTAAA
231901 TTTCTTCATG TTGGCAGATA AGAATAATTA AACTCCCCAA ACATTGGCTA
231951 GTGTCTCCAC AGGGAAGCA CAAATGAAAA AGTTAGGGTC TGGCTTCCAC
232001 AAATCTCATC TTAGCCTGTA TCCACATTTA ATTACTGAAT GTCAATCCAA
232051 AAAACAGACA CTTCTCTCTT TCCTTTTACT GGTAGCTACT GTTCTTAGAG
232101 GTTTTCTCTG GTGTATTCAA AAGGAAACAA GAATTTCCAA ACTCCTTAAC
232151 TCTTGTGTGT TTTAATCATC TATAAAATTC AGGTGAATAT TTGCAGTGTG
232201 AAATAACCAT AATAAAAATA TTTTATTTTC TATCTTCTGG TATTTATCAT
232251 ATTTCTTATA AGTAGCAAGT TTGCTTTTCC CAAGTTGATC CACTTTTCC
232301 CAACTATTTA ATTTTGGTGT AGGCAGTGGA GTCCTATTGA TACACTGAGA
232351 AGCTGCTCCA TGCAAAGCAT TGTGGTGGAC ATCATGGGGA GGTAGTGTAA
232401 ATTTGCCTTG GGTCTTTTGT AGCAATAATG CACCTTTATA TATAAGTTTA
232451 ATATACATTT AAGCTTFACT AGAGCCATAG AAGATAGGAT TCTTTTTTTT
232501 GTGTCAATGA GGCAACTGAG TCACAGATTT TTACCTTTCC AAACATCACA
232551 GAATCAAGAT TCAAACCCAA GTCCTCTAAG CCAGCTCACA TACTTGTCTC
232601 AATATGCCCC AGCTCCCTTC CTAAGGAAA GCATTTGAGG TTGTTCTCTC
232651 CTAGACCATC TTCTTCTTTT TCCTCTGTG CTTTCTACT CCAGCATCTC
232701 AATGTGTTTT GGCATTGACA CCGCTGATGC CACAGGGTTG ACAACAACCT
232751 CTTTGGCAGT GGCTTCTGCC CTGTACCAAT AAAATCAATT CTCTGAAAGA
232801 GCTGGGGATG GACAAGAAGT GGTAGGAATG GTCATGTCAT TATTTCTAAT
232851 ACTGCTCTTA TCAAATACCC AACTTATTAA AGGAACCAAG ACAATAATCT
232901 CCATGCCCTC AACCTTATCC ACTTCAACCT TTAGGCTGGG TTTTCTAGGA
232951 AGCCGTCTCT GACAGAGTTG AGTAGGCAGG ACTTTTATGC ATGAGTGCCC
233001 TTGGGATTGA CCCTGTGGAC AGAAGGAGAA GGATGCAGGA TGAGGCAGAG
233051 GGAGAAGTTG AGCAGTGATG AAGGCCTGAC AAGCCTTAGC CAAACCCCTCA

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233101	GAGAGCTCCA	GTCCCATGGG	TGTTGCCAGC	AAAGGCCATA	ATGGTTAGGT
233151	TCTCTACCTC	TACCATGATC	AGTCATTAAA	GGTTGCTACT	TGGAGGGGCA
233201	TGATTTGGGG	GAAGGCAGCT	TTCTGAGGCT	GAAGAATTTC	CTGAAGGGGC
233251	CACAGCTGGA	GGCTGTCTAC	TCCCAACAGC	TGGGGTAGCA	AGTTCCTCCT
233301	TCAAGGAGGA	TCTGCATAGT	GCATCTCCAT	TTCTGGGGTG	TTGAGGTGTT
233351	GAGGTGAGGC	AGTACAGAGA	CTACCTCTGT	TTGCAGATTC	TTCCAGAGTT
233401	TTGTTGCCAT	TCGTATGTCC	ACTATTGTCA	CAGGAGAAGC	TTCAAGGAAAA
233451	ATCTTCACCA	AGTTTGTGTC	AGCTAAGCCT	CTCAGCAGAG	TAGAGCAGCT
233501	TTCACAGTGC	CCTGCTGATT	CACAGCCCCT	CATAATAAGT	CATGGGGCTG
233551	TCATCTGGAG	AGGTGGAGAA	ATGAGATGGA	AGACATAATG	ATCACCCCAA
233601	ATTTCAACCT	TTTAGAGGGG	AAGTTCCTGC	TGATGATCTT	ATTTTTTTTT
233651	AATTATCACA	TGAAACTCGT	TATTTGGTTG	TGGCATTCTT	ATGGGATGTT
233701	AGCAGCATCA	TTTGGGAGTC	AGGAAACCAC	AGTTCTAGTC	TGGGCTCTGC
233751	CCCTTTCTAT	GACCTTGTGC	AGGTCATAAA	ACCTCTCTTG	GCCTGAGTCT
233801	TCACACCTGT	AAGATGAAGA	AATTTGACTT	GAGGTGTTCT	AGGGTCACAT
233851	CCAGCTCAGA	ATCATGATGA	ATCTCTATCA	TTTAGGCCAG	AGGTCAGCAA
233901	ACTATGGCCT	GCATTCCAAA	TCTGTCTCAC	TGCCTGTTTT	TGTAAATAAA
233951	ATGTTACTGC	AACACAGCCA	TGCTCATTTA	TTTACCTATT	GCCTATAGCT
234001	ATTTTCTAGC	TACTGAAGCA	GACTTGAGTT	GCAACAGAAA	TTCTATGGTC
234051	TATAAAGTCT	AGAATATTTA	CTACCCGCCC	CTTTACAGAT	AAAGGTTTGC
234101	TGACCTTGAT	CTAGGCAAAT	CTTCTGTCAT	GTGCGATTCC	AAGGAGTAGG
234151	AGGAGAAATA	TGAGCCATGA	GGATATACTT	TTGCAATAAT	TTGGCAAAGA
234201	GTGGTATCAG	TCAAGTAACT	GCTATTTTCT	AAGTATTCCT	TAGGAAATTC
234251	AGAGCAAGAC	GAGGGTTAAA	GATTAGGTAA	GAAGCATTCCT	AAATGTACAG
234301	TGCACCAAGG	GCAGTGTCTG	TGAGGATTCC	TGAGTAAGCA	ATGTCTCAGG
234351	TGCTTAAAGT	AGATCTTGTT	TGACAAAATA	TCCACCTCTG	TGGTCCCTGC
234401	ATCAGCTCTT	TATTACCCAC	ATGGCAGGGT	GTTTAGCAGG	GAGGGCAAAC
234451	ACAGCTTTTT	CTTTTATGAT	CAAGGTCATT	TGTCCAGCAA	CTGAAATGGG
234501	TAAAGGGAAA	TTTTAGAAGA	AATTTTTCAA	AGAAATGAGA	GAAGAAACTC
234551	TCTGCTGGTG	AAATGTCAGA	ATTATCAAGC	TGTCACTCCT	TCAGGAGAAA
234601	TAACTTTGCT	GGTGAGAGAC	CATAGAAGTA	GGAGGAATCC	TGACAATATT
234651	ACTATTATGA	GCTGTGCTTT	GCACTTTTAG	GAAACACAGC	ATCCAATTGC
234701	CAAATGTGTC	TTCGTATCAT	TTTGTTTTCA	TCTCATTGTC	AAAACATCCC
234751	CATGGGATAT	TGTCAAGTGT	CATAATCCTC	ATCATTCTAT	ATTTACAGAA
234801	TGAGAAGAGA	GACTTCAGGA	TGATTTTGCC	TGACATAATG	CTCATAACAT
234851	TTACTGTTGG	TCCCAGCCAT	TTGCTTCTTA	GCATTTGTTT	CCTTTGATTG
234901	CTCTTTATCT	TTGTTAGCAT	AGGCATTGTC	TTCCCAAGTA	AATGCTATGC
234951	CTGACCTATC	TCTTAGATCA	CAGAATGTTA	GAATTGAGGG	AAGGCCTTCA
235001	GTCTAATGAA	ACTACTGAAA	TATAAAATGA	GGGAAGTGAG	ACCCAGGGAG
235051	GTGGCCTGAG	CTGGTGAGAG	AACTAAAAGA	ATAACTGTGG	TCCCCTAACT
235101	TGAAGGTTAT	TGCTTTTTTC	ACGGACCTCA	TTATACCTCT	TTGCATGCCC
235151	CATACATAGT	ATAGTGCTCT	ATGTATATGT	ACTCCATAGT	ACTACTAGGG
235201	ATCATCTGTA	TAGATAGCCT	ATCTTCTTAA	TTGACTGCAA	GATTTTTATA
235251	GGTTAAGATT	CACAGCTACT	ATTTTATATT	CTTTTGATTT	AACCTCCACC
235301	TATTGAGCAT	ATAAAATATA	TGGCTTAAAA	AACTGGAAAA	AGATGAGCAA
235351	ATTAAAGCCA	AAGCAAATTG	AAGGGAGAAA	ATTACAAAAA	TCAGAGTGGA
235401	AATAAGCAAA	ATAAAGAATG	GAAAAACAAT	AAAGGATGTC	AGTGAAACAA
235451	AAAAAAATAG	GTTCTTTGTA	AAGATCAACA	AATATTGACC	AACAAAAATA
235501	AAGAGAAGAT	TCAAATTAAT	ACATCAGAAA	TGAAAGAGGG	GACATTACTA
235551	CTAACCTTAA	AGAAATAAAA	AGGATTGTAA	AGGTATACTA	CGACAACACG
235601	TATAACACAA	AATCAGATAA	ATTAGATGAA	ATGGACAAAT	TTCTAGAAAG
235651	ACAAAAATCA	CTGAAACTGA	CTCAGAAGCA	ATAGAAAGCT	GAATACAGGG
235701	ATGTGCACCT	GTAGTCCCAG	CTATTGGGAG	GCTGAGGTGG	GAGAATCACT
235751	TGAGCCTAGG	AGTTCAAAGT	CAGCCTGGGC	AACATAGCAA	GAGTCTGTCT
235801	CTAAACATAA	ATACACAAAT	AATTTTTTTA	ACAAAAAGAA	ATAGAAAACT
235851	TGAATATGCC	TATCATATTCT	TATAGGACAT	AGATTTTCTA	TATACAAAAT
235901	CATGTTATCC	GCAAATTGAG	ATAATTTTAC	TTTTTCCTTT	CCAAATTTGGA
235951	TTCTTTTGAC	TTCTTTTTCT	TGCCCAATTT	CCCTGGCTAT	AACCTGTAGT
236001	ACAATGTTAT	ATAAAAAATG	CAAGAGAAGA	CATTCTTGTC	AGGAGGAAAG
236051	ATATACTATC	CTTTCTTCAT	GTTACTGGAT	TTGACTTACT	AGTATTTTTA
236101	TAAAGGCCAA	ATTAGGGTTT	TGTATTATAC	TTTAAGATCT	GGGATACATC
236151	TGCAGGAGGT	GCAAGTTTTG	TACATAGGTA	TACACATGCC	ATGGTGGTTT
236201	GCTGCACCCA	TCAGCCCGTC	ATCTACATTA	GGTATTTCTC	CTAATGCTAT

236251 CCCTCTACTT GTCCCCAAC CCCCACAGG CCCTGGTGTG TGATGTCCCC
236301 CTCCCTAAGT CCATGTGTTT TCATTGTTCA ACTCTCACTT ATGAGTGAGA
236351 ACATGCAATG TTTGGTTTTT TGTTCTTGTG TTAGTTTGCT GAGAATGATG
236401 GTTCTTAGTT TCATCCGTCT CCCTGCAGAG GAAATGAACT CATCCGTTTT
236451 TATGGCTCCA TAGTATTCCA TGGCATATAT GTGCCACATT TTTTAAATT
236501 ATACTTTAAG TTCTAGGGTA TATGTACACA ATGTGCAGGT TTGTTACGTA
236551 TGATACATG TGCCATGTTG GTGTGTGCAC CCATTAACTC GTCATTTACA
236601 TTAGGTGTAT CTCCTAATGC TATCCCTCCC TCCTCCACCC ACCCCACGAC
236651 AGGCCCTGGT GTGTGATGTT CTCCACCCTG TGTCCAAGTG TTCTCATTGT
236701 TCAATTTCTTA CCAATGAGTG AGAACATGCA GTTCTCACTG GTTTCCAG
236751 CACCATTTAT TAAATAGGAA ATCCTTTCCC CATTTCTTGT TTTTGTGAGG
236801 TTTGTCAAAG ATCAGATGGT TGTAGATGTG TGGTATTATT TCTGAGGGCT
236851 CTGTTCTGTT CCATTGGTCT ATATATCTGT TTTGGTACAA GTACCATGCT
236901 GTTTTGGTTA CCGTAGCCTT GTAGTATAGT TTGAAGTCAG GTAGTGTGAT
236951 GCCTCCAGCT TTGTTCTTTT GGCTTAGGAT TGTCTTGGCA ATGTGGGCTC
237001 TTTTGTGTTG ATTTTCTGTC CTTGCAATAG TTGGCCACAT TTTCTTAATC
237051 CAGCCTAACA TTGATGGACA TTTGGGTTGG TTCCAAGTCT TTGTTATTGT
237101 GAATAGTGCC ACAATAAACA TACATGTGCA TGTGTCTTTA TAACAGCATG
237151 ATTTATAATC CTTTGGGTGT ATACCTAGTA ATGGGGTCAC TGGGTCAAAT
237201 GGTATTTCTA GTTCTAGATC CTTGAGGAAT CACCACACTG TCATCCACAA
237251 TGGTGAAGT AGTTTACAGT CCCACCAACA GTGTAAAGT CCCTATTTCT
237301 CCACATCCTC TCCAGCACCT GTTGTTTACC TGACTTTTTA ATGATCGCCA
237351 TTCTAACTGC TGTGAGATGG TATCTCATTG TGGTTTTGAT TTGCATTTCT
237401 CTGATGGCCA GTGTGATGA GCATTTTTTC ATGTGTCTGT TGGCTGCATA
237451 AATGCTTCTT TTTGAGAAAG GTCTGTTTCA ATACTTTGCC CACTTTTGA
237501 TGGGGTTGTT TGATTTTTTC TTGTAAATTT GTTTAAGTTC TTTGTAGATT
237551 CTAGATATTA GCCCTTTGTC AGATGAGTAG ATTGTAAAAA TTTTCTCCCA
237601 TTCTGTAGGT TGCTGTTCCT CTCTGATGGT AGTTTCTTTT GCTGTGCAGA
237651 AGCTCTTTAG TTTAATTAGA TCCCATTGT CAATTTTGGC TTTGTTGCCA
237701 TTGTTTGGT TAGCTTTAGT ATGAAGTCTT TGCCCATGCC CATGCTCTGA
237751 ATGGTATTGC CTAGGTTTTT TTCTAGGATT TTTATGGTTT TAGGTCTAAC
237801 ATTTAAGTCT TTAACCCATC TTGAATTAAT TTTTGTATAA GGTGTAAGGA
237851 AGGGATCCAG TTTCACTCTT CTGCATATGG CTAGCCAGTT TTCCCAGCAC
237901 CATTTATATA ATAGGGAATC CTTTCCCCAT TTCTTGTTTT TGTGAGTTT
237951 GTCAAAGATC AGATGGTGTG AGATGTGTGG TATTATTTCT GAGGGCTCTG
238001 TTCTGTTCCT TTGATCTATA CCTCTGTTTT GGGACCAGTA CCATGCTGTT
238051 TTGGTTACTG TAGCCTTGTA GTATAGTTTG AAGTCAGGTA GCGTGATACC
238101 TCCAGCTTTG TTCTTTTGGC TTAGGATTGT CTTGGCAATG TGGGCTCTTT
238151 TTTGGTTCCA TATGAACCTT AAAGTAGTTT TTTTCCAATT CTGTGAAGAA
238201 AGTCATTGGT AGCTTGATGG GGATGGCATT GAATCTATAA ATTACCTGG
238251 GCAGTATGGC CATTTTCACA ATATTGATTC TTCCTATCCA TGAGCATGGA
238301 ATGATTTTCC ATTTGTTGT GTCTCTTTT ATTTCAATTG ACAGTGGTTT
238351 GTAGTTCTCC TTGAAGAGGT CCTCACATC CTTGAAAGT TGGATTCTTA
238401 GGTATTTTAT TCTCTTTGAA GCCATTGTGA ATGGGAGTTC ACTCATGATT
238451 TGGTCTCTG TTTGTCTGTT ATTGGTATAT AGGAATGCTT GTGATTTTGT
238501 CACATTGATT TTGTATCTG AGACTTTGCT GAAGTTGCTT ATCAGCTGAA
238551 GTAGTTTTTG GGCTGAGACG AGGGGGTTTT CTAAATATAG ACTCATGTGA
238601 TCTGCAAACA GAGACAATTT GACTTCCTCT TTTCTATTT GAATACCCTG
238651 TATTTCTTTC TCTTGCTGTA TTGCCCTGGC CAGTACTTCC AATACTATGT
238701 TGAATAGGAG TGATGAGAGA GGTCAATCTT GTCTTGTGCC AGTTTTCAA
238751 GGGAATGCTT CCAGCTTTTG CCCATTGAGT ATGATACTGG CTGTGGGTTT
238801 GTCATAAATA GCTTTTATTA TTTTGAGATA TGTTCATCA AAACCTAGTT
238851 TATCGAGAGT TTTTAGCATG AAGGGGTGTT GAATTTTGTG GAAGGCCTTT
238901 TCTGTGTCTA TTGAGATAAT CATGTGGTTT TTGTCATTTG TTCTGTTTAA
238951 GTAATGGATT ACTTTTATTG ATTTGCCTAA GTTTAACCAG CCTTGCATCA
239001 CAGGAATGAA GCTGACTTGA TTGTAGTGGA TAAGCTTTTT GATGTGCTGC
239051 TGGATTGAGT TTGCCAGTAT TTTATTGAGG ATTTTCGCAT CGATGTTTAT
239101 CAGGGATATT GGCCTGAAAT TTTCTTTTTT TTGTGTGTG TCTACCAGGT
239151 TTTGGTATCA GGATGATGCT GGCCTCATAA AAAGTCAGGG AGGAATCCCT
239201 CTTTTCTAT CGTTTGGAACT ACTTTCAGAA GGAATGGTAC CAGCTCTTCT
239251 TTGTACCTCT GGTAGAATTC GGCTGTGAAT CCATCTGGTC CTGGACTTTT
239301 TTTGGTTGGT AGGCTGTTAA TTAGTCCCC AATTTCAGAA TGTGTTCTTG
239351 GTCTATTGAG GGATTTAACT TCTTCTGAT TTAGACTTGG GAGGGTGTAT

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239401 GTGTCCAGGA ATTTATCCAT TTCTTCTAGA TTTTCTAGTT TATTTGCATA
239451 GAGGTGTTTA TAATATTCTC TGATGGTAGT TTGTATTTCT GTGGAATCAG
239501 TGGTGATATC CCCTTTATCA TTTTTTATTG TGTCTATTTG ATCTTCTCTC
239551 CTTTTCTTCT TTATTAGTCT GGCTAGCGGT ATATCTATTT TGTGTCTAGT
239601 AAACCAACTC CTGGATTCAT TGATTTTTTG AAGGGTTTTT CCTGTCTCTA
239651 ACTCCTTCAG TTTTGCTCTG ATCTTAGTTA TTTCTTGCTT TCTGCTAGCT
239701 TTTGAATTTG TTTGCTCTTT CTTCTCTAGT TCTTTAATTG TGATGTTAGG
239751 GTGTCAATTT GAGATTTTTTC CTGCTTTTGC TTGTGGGCAT TTCATGCTAT
239801 AAATTTCCCT CTAAACACTG CTTTAGCTGT GTCCCAGGGA TTCTGGTACG
239851 TTGTGTCTTT GTTCTCATCA GTTTCAAAGA ACTTATTTAT TTCCGCCTAT
239901 TTCGTTATTT ACCCAGTAGT CATTCAGGAG CAGCTTGTTT AGTTTCCATG
239951 TAGTTGTGTG GTTTGAGTGA GTTTCFTAAT CCTCAGTTCT AATTGATTGC
240001 ACTGTGGTCT GAGAACTGT TTGTTATGAT TTCCATTCTT TTGCATTGTC
240051 TAAAGGAGTG TTTTACTTTC CAATTATGTG GTCAATTTTA GAATAAGTGC
240101 GATGTGGTGC TGAGAAGAAT GTATATTCTG TTGATTTCCG GTGGAGAGTT
240151 CTGTAGATGT CTATTAGGTC TGCCTGGTCC AGATCTGAGT TCAAGTCCTG
240201 AATATCCTTG TTAATTTTCT GTCTCATTGA TCTGTCTAAT AAAGTCTCTC
240251 ACTATTATTG TGTGTGAGTC TAAGTCTCTT TGTAGGTCTC TGAGGGCTTG
240301 CTTTATGAAT CTAGGTGCTC CTGTATTGGG TGCTTATACA TTTAGGATAG
240351 TTAGCTGTTT TTGTTGCATT GATCCCTTTA CCATTATGCC ATGTCCTTCT
240401 TTGTCTCTTT TAATCTTTGT TGGTTTAAAG TCTGTTTAT CAGAGACTAA
240451 ATTGCAACAC CTGCTTTTTT TTGCTTTCCA TTTGCTTGGT AAATATTATT
240501 CCATCCCTTT ATTTTGAGCC TATGTGTGTC TCTGCATGTG AGATGGGTCT
240551 CCTGAATACA GCATACTGAT GAGTCTTGAC TCTCTATCCA ATTTGCTAGT
240601 CCATGTCTTT TAATTGGGGC ATTTAGCCCA TTGACATTTA AGATTAATAT
240651 TGTATGTGT GAATTTGATC CTGTCATTAT GATGCTAGCT CTTTATTTTG
240701 CTCATTAGTT GATGCAGTTT CTTCATAGTT TAAATGGTCT TTACAATTTA
240751 GCATGTTTTT GCAGTGGCTG GACTGGTCTG TTCCTTTCCA TGTTTAGTGC
240801 TTCCTTCAGG AGCTCTTGTA AGGCAGGCCA GGTGGCGATA AAATCGCTCA
240851 ACATTTGTTT GTCTGTAAAG GATTTTATTT CTCCCTCGCT TATGAAGCTT
240901 AGTTTAGCTG GATATGACAT TCTGGGTTGA AAATTCTTTT ATTTAAGAAT
240951 GTTGAATATT GGCCCCACT CTCTTCTGGC TTGTAGGGTT TCTGCTGAGA
241001 GAGCCACTGT TAGTCTGATG GGCTTCCCTT TGTGGGTAAC CTGACCTTTC
241051 TCTCTCTTCT GGCTGTAGG GTTCTGCTG AGAGATCCAC TGTTAGTCTG
241101 ATGGGCTTCC CTTTGTGGGT AACCTGACCT TTCTCTCTGG CTGCCCTTAA
241151 CCTTTTTTCC TTCAATTTCAA CCTTGGTGAA TCTGACGATT GCGTGTCTCG
241201 GGGTTGCTCT TCTCGAGGAG TATCTTTGTG GTGTTCTCTG TATTTCTCTG
241251 ATTTGAAAGT TGGCCTCTCT TGCTAGGTTG GGAAGTTCT CCTGGATAAT
241301 ATCCTGAAAT GTGTTTCCA ACTTGGTTCC ATACTCCTCA TCACTTTCAG
241351 GTACACCAAT CAAACATAGG TTTGGTTTCT TCACATAGTC CCATATTCTC
241401 TGGAGGCTTT ATTCATTCTT TTTCATTCTT TTTTCTCTAA TCTTGTCTTC
241451 ATGCTTTATT TCATTAAGTT CATAGTCTCT GATATCCTTT CTTCCACTTG
241501 ATCAGTTTCA CTATTGATC TTGTGTATGT TTCACAAAGT TCTCGTGCTG
241551 TGTTTTTCAA CTCATCAGG TCATTTATGT TCTTCTCTAA ACTGGTTATT
241601 CTAGTTAGCA ATTCGTCTAA CCTTTTATCA ACATTCTTAG CTTCTTGTGA
241651 TTGGGTTAGA ACATGCTTTT TTAGCTCAGA GGAGTTTGT ATTACCCACC
241701 TTCTGAAGCC TACTTCTGTC AATTGTCAA GCTCATTCTC CCTCCAATTT
241751 TGTTCCCTTG CTGGTGAGGA GTTGTGATCC TTTGGAGGGG AAGAGGCATT
241801 CTGATTTTTG AAATTTTCAG TCTTTTGTG CTGGTTTTTC CTCATCTTCA
241851 TGGATTTATC TACCTTTGGT CTTTGATGGT GACCTTCAGA TGGGGTTTCT
241901 GAGTGGATGT CTTTTTGTG GATGTTGATG CTATTCCTTT CTGTTTGTTA
241951 GTTTTCTTTC TAACAGCCAG ACCCTCTGCT TGCAGGCTG CTGGAGTTTG
242001 CTGGAGGTCC ACTCCAGACC CTGTTTGCTT GAGTACCACC AGTGGAGGCT
242051 GCAGAACAGC AGCAATTGCT GCCTGTTTCT TCCTCTGGAA GCTTCATCCC
242101 AGAAGGGCAC CCACAGATG CCAGCCCAA CTCTCCTGTA TTTGTCTGTC
242151 AACCCTGCTT GGGAGGTGTC TCCAGTCTAG GAGGCATGGG GGTCAAGGAC
242201 CCACTTAAGG AGGCAGTCTG TCCCTTAGCA GAGCTCGAAC ACTGTGTTAG
242251 GAGATCCACT GCTCTCTTCA GAGCCAGCAG GCAGGGACGT TTAAGTCTGC
242301 TGAAGCTGTG CCACAGCCTC CCCTTCCCCC ATTGGCTCTG TCCCAGGGAG
242351 ATTGGGGTTT TATCTTTAAT CCCCTGACTG GGGCTGCTGC CTTTTTTTCG
242401 GTGATGCCCT GCCCAGAGAG GAGGAATCTA GAGAGACAGT CTGACTACAG
242451 AGGCTTTGCC AAGCTGCGGT GGGCTCTGCC CAGTTCAAAC TTCCCAGCAG
242501 CTTTGTTTAC ACTATGAGGG GAAAACCACC TACTCAAGCC TCAGTAATGG

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242551 CAGATGCCCC TCCCCCACC AAGCTTGAGC ATCCCAGGTT GACTTCAGAC
242601 TGCTGTGCTG GCAGTGCAAA TTTCAAGCTG GTGGATCTTA GCTTTCTGGG
242651 CTCTGTGGGG GTGGGATCCG CTGAGCTAGA CCACTTGGCT CCCTGGCTTC
242701 AGCCCCCTTT CCAGGGAAGT GAACGATTTT GTCTCGCTGG CATTCCAGGT
242751 GCCACTGGAT TATGAAAAAC AACTCCTGCA GCTAGCTCAG TGTCTGCTCA
242801 AATGGCCACC CAGTTTTGTG CTTGAAACCC AGGGCCCTGG TGGCATAGGC
242851 ACCCGAGGGA ATCTCCTGGT CTGTGGGTTG CAAAGACCAT GGGAAAAGCA
242901 TAGTATCTGG GCCAGAGTGC ACCATTCCCTC ATGGCACAGT CCCTCATGGC
242951 TTCCCTTGGC TAGGCGACGC CCCACCCCTGC TTCAGCTCAC CCTCTGTGGG
243001 TGGCACCCAT TGTCTAACCA GTCCCAATGA GATGAGCTTG GTACCTCAGT
243051 TGGAAATGGA GAAATCACCC GCCTTCTGTG TTGATCTCAC TGGCAGCTGC
243101 TGA CTGGAGC TGTTCCTATT CGGCCATCTT GCCCATTTCCA TCCAAAAGTA
243151 GTTTTTGAAA ATTAACATGG GGATTAAGGA TTCAGCTATT TTTCAGAAAG
243201 CAGAGCTTTA AGAAAGCAGA GCTCTAGAAC CAGGGCTTCA TGGACGTGAG
243251 ACCAGTGCAG TTACACAGAG CCCTAGGTTT AGGAAGGAGC CCACACATGG
243301 GGTTCATAA AATTTTATCT TTGAATTTGT GTTTTATGAG TGAAAGCTGA
243351 TAACACAGTG GAACACAGGC TCAAGGCTTA AAGCCTTGCT CATGTGCTGT
243401 CTTGCCTTTA AGACATCTAC CTGGGAAGGT TCCTCTGCCA CCTAGCCCTT
243451 AATCCCCATC CCATAACTAC TGCAATCTTC CATTCCCAAT GGGATCCTAG
243501 GTAATAGTGA GGAAGGGTTG CCGTGAGGTA AGACTGCCAG GTCCCTATAA
243551 GTGTCTACAC TCCCCTGCAG AGTATCTGCC CTAGTTCCTG AGGGAGAATG
243601 ACATTAAATA CCCAACAAAA AGCACAATGA CAGGTCCACA GACAAATACA
243651 GACCCCCCAA AAAACAGCTT TTCTCTTGTT TCTTGAACAA GGATTCTGTC
243701 GTTGTCAATT AGCACTGGGC CCCACAAATT ATGTAGCTGG CCTGTCTAGA
243751 GCCTTACTAT TCAAAGTGTG GTTGACAGG CAGCAGCATT GGTATCACCT
243801 GGGAACATAT GGAAACGTAG AATCCCAAGC CCTACCCAAA CCTACTAAAG
243851 AAGAATCTGC ATTTTAACAA GATCCCTGGA TGATTTGTAT GACATTAAAG
243901 TTTGAGAAGC AGTGGTCTAA AACACACTCT GGGATTCACT CACCTATTGG
243951 ATGACATCTA TGTCTTGCC CCAATTATTT TTATTATGAT TGTAAATGA
244001 ATTGTCTCTT TCTTTGACAT AAAGCACTA CTATTCATGT TGGAAAGATGG
244051 GAGGCGAGAG GAAAGAAAGT TGGCCAATAA GAAACACTGA AAAAGGAATT
244101 GCTCTGAGCA CCAAGCTTTG CCAACCCTGT TACTCGAAAT TATACTTGCC
244151 CTGTTTTCTA CCCTTGGGCT TAAGGCTTAG CATCTTTCCT AGCAGACTGA
244201 GTGCCTTATT GAGGGAAACT GTAGCCAGCT TAAAATAAAC TGCAGCTCTC
244251 CTGGAAATTG CTTTGACCTT TATTTGCATA AGTCTTCAAA ACTTGCCAGC
244301 TCTGGAAAAAG ATGGGAAAGG AGCACCTTAT TTTTATTCTT GGCAGAACTG
244351 ATTTTGTGAG TTGCATGTGA GTTACTTAGC ATGGTATGGT TGGTGTGTT
244401 TTAGTAACCT TTTAGGTCTT AGGAAAGATT ATTGTAAAAA GCAACCAACA
244451 GGAATATGAA ATAAACCCCT ATGCCTTCCT CTTGCCCCT CCCCAAGCTT
244501 CCTGGGGAAG AGTATCTGTC CTGGCCAGAG TTAGTGGGAA GGTGGAGCT
244551 GACAGAAAGC TGCTGTCCAG TTGCAGTGAG GGCCGAGGCA AATTTTCTCT
244601 CCAGGTGTGG AAGGGGCAAT CTCCAGGAGT GAGAGAAATG GGAGCAATCA
244651 GTTGCTGGTA CTTGTGCTT TATCATGAAG GCATAACTGG TGAATGTACT
244701 ATGAGCAACA CATTGTTAAT TTGTATTATG CCCTTTACAA GGTGTGTCCT
244751 TGTAAATCCA GTATTTCCAT AACTAGGGAT CTAGTCCAAG GAAAGATCAG
244801 AGACTTTGGC ACAGAATTAA GCTGGAGAAT ATTCATCTCA ATTATATCTA
244851 TAGGAGCAAG AAGTTCAAAG TGGGATACAT GCCCCAACAG GTAGTGCAAA
244901 AGGAGGATGT ATGTGAGACA TATTAGAATT TGCATTTAAC TTTTAAAAAT
244951 TAAAAAATAG AGCCAGTCGG GGTGGCTCAC GCCTGTAATC CCAGCACTTT
245001 GGCAGGCCGA GGCAGGCGGA TCACCTCAGG TCAGGAGTTC GAGACTAGCC
245051 TGACCAACAT GGCAAAACCC TGTATCTACT AAAAAGAAAA AAATTAGCTG
245101 GGCTTGGTGG CGGGAGCCTG TAATCCCAGC TACTTGGGAG GCTGAGGCAG
245151 GAGAATTGCT TGAACCCAGG AGGTGGAGGA TGCACTGAGC CGAGATCTCA
245201 CTATTGCACT CCAGCCTGGG CAACAAGAGC AAAACTCCAT CTCAAAAAAA
245251 TAAAAAGGTC GGGTGTGGTG GCTCACGCCT GTAATTCCAG CAGTTTGGGA
245301 GGCCGAGGTG GCGGATCAC CTGAGCTCGG GAGTTTAAGA CCAGCCTGAC
245351 CAACAGGAGA CCAACAGGAG ATAACCTGTC TCTACTAAAA ATACAAAATT
245401 AGCCAGGCAT GGTGGCGCAC GCCTGTAATC CCAGCTACTC AGGAGACTGA
245451 GGCAGAAGAA TCACTTGAAC CCGGGAGGCA GAGGTGCGG TGAGCCGAGA
245501 TCACGCCATT GCATTCCAGC CTGGGCAACA AGCAGCGAAA CTCCGTCTCA
245551 AAAAAAGAA GAAGAAAAAG TTTTACTAAT ATGTAAAAAT GGGACTTCCA
245601 CCTTGCTTCT TTAATTGGTC CTTAAGTCAA GCAGGCACAT GTTATATGAG
245651 ATATGTTGAG AAAAGAATGG GAATTTTATA ACATGAGTCT CTTCTCTCTG

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245701 ACATAGCAAC TACATGGATA TAATTTATAA ATGATCATTG GAGTGGACAG
245751 TTTTTTACTG ATGGGATGTG AAGCACCTTA TAAGAGATCT AAGGACGTGC
245801 ACAGGGAGTA CTCTGCTCCC AGTTCAGGG AGGAAAGAGC AGCATAGGGC
245851 CAAATTGTAA ATTCAGCTCT ATGGATTGCC CTGAGCTCTT GCTAATGGGC
245901 CAGTTTTAGC TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTGAGAACAG
245951 AAGCCTTGTT CTTTCACCCA GGCTGGGAGT GCCGTGGTGC GATCTGAGCT
246001 CATTGCAACC TCCGCTCCC AAGTTCAAGT GATTCTCCTG TCTCAGCCTC
246051 CAGAGTAGCT GGGATTACAG GCAAGTGCCA CCACACCCAG CTAATTTTTTA
246101 TATTTTTAGT AGAGACGAGG TTTCACCATG TTGGCCAGGC TGGTCCCAA
246151 CTCGTGACCT CAGGTGATCC GCCCACCTCA GCCTTCCAAA ATGCCGGGAT
246201 TACAGGCATG AGCCACTGCA CCCAACCCAG TTTTAGCTTT TTAATGGAAA
246251 GTAGTGTTGT TTCAGTTGAT GGAATATTTC TTTCCCTCAG TTTCAACATG
246301 TTTTATAAGA GCCTTCAGGA TGTTTCATTA AAAACTGTAG CTCTCTCAGC
246351 AGATTTTCATT ACACCTCAAC TTTCATTACC AACTCTTACC CTCTGAACAC
246401 AACTTTGGCC TTCTGCTCCA TTCTGCTGAA GTTTAAAGCT GCAGATAGGA
246451 CCTCTGGTCA GCATTTTGCT TTCCATTGCA AAAAAAGCTA ATGCTCAGGT
246501 ATAAGATTAA GATAAAAGGA AAATAAGCT TATTAGAAAA ATTCCTAGTC
246551 ACTTAGTCAA ACATCCACAC CTGCTGAAAG AGAATGGCCA AAGGGTCCTC
246601 AGGAACACTT GCTTTTCTAT AGATACATTT CCCCCTGAGT TTTCTAGGAT
246651 AAAAAGCTCA TCTTTTAAAT AATGGTGTTC TGTTTAAACA ATCCTTTGTG
246701 AGAGAGGCTT TCTCCTGGAA TACCTTGTGC ATATTAAAC TGTAATAAT
246751 CTTGTCATTT GGAATAAATC TTCTTAATGT GCGTGTTATA ATTGAATTCA
246801 TCTCTAATTA ATGTAGCATT ACCATGTGGC AAAGTGGAT TAGCTTCTGT
246851 TTTCTGATTG CCTTGAACA TCGCCTTGAA GTTGCAGGAT TGCTGATGAA
246901 GTCAATAAGG GCTGTGCATT GATTTTCAGA CACAAAGACC ATCACCACCA
246951 TGGCTGAAGA CATGTCCCA GGACCACCA TTTTCAACAG TGTGATGGCC
247001 AGGACCAAGA TGAAACGCAT GAGGGAGTAA GTAGCATGTT GCCTGCCCCC
247051 TAGGAAGGTG CAGTGTTAAA GCATATTGAC CAAGTGTGTG ACCCAGTCAT
247101 GTGATACTGT CTTAGTCCAT TTGTGCTGCC GTGACAAAAT ACCTGGGACT
247151 AAGCTGTTCC AACTTAGAAA CTCTCTCTA AAATTCACTT TCTGTATTGG
247201 TGCTGGTCEA ATAATTAGGG AAGTTTGGCA AGAATTATTT TTCAGTTGAT
247251 TTGCACTTAT AGTATTCTTG CAGCACAGCA CATTCTCATC CATGCTAATG
247301 TTTGAAAGCA AAGGAGAAAA AAATGCTGAA AATTATTTCC AAGCCTAAAG
247351 CTGTTACTAT GTTTATATAC TTATTGTTTT CTAGCCCTAC CTGTACCAGA
247401 GTGGTCTTTT TTTTTTATTA TTATTATACT TTAAGTTTTA GGGTACATGT
247451 GCACATTGTG CAGGTAGTT ACATATGTAT ACATGTGCCA TGCTGGTGCG
247501 CTGCACCCAC TAACTCATCG TCTAGCATTG GGTATATCTC CCAATGCTAT
247551 CCCTCCCCC TCCCCCACC CCACAACAGT CCCCAGAGTG TGATATTCCC
247601 CTTCTGTGT CCATGTGATC TCATTGTTCA ATTCCCACCT ATGAGTGAGA
247651 ATATGCGGTG TTTGGTTTTT TGTTCTTGCG ATAGTTTACT GAGAATGATG
247701 ATTTCCAGTT TCATCCATGT CCCTACAAAG GACATGAACT CATCATTTTT
247751 TATGGCTGCA TAGTATTCCA TGGTGTATAT GTGCCACATT TTCTTAATCC
247801 AGTCTATCAT TGTGGACAT TTGGGTTGGT TCCAAGTCTT TGCTATTGTG
247851 AGTAGTGCCA CAATAAACAT ACGTGTGCAT GTGTCTTTAT AGCAGCATGA
247901 TTTATAGTCC TTTGGGTATA TACCCAGTAG TGGGATGGCT GGGTCAAATG
247951 GTATTCCTAG TTCTAGATCC CTGAGGAATC GCTACACTGA CTTCCACAAT
248001 GGTTGAACTA GTTTACAGTC CCACCAACAG TGTAAAAGTG TTCCTATTTT
248051 TCCACATCCT CTCCAGCACC TGTGTTTTCC TGACTTTTTT TTTTTTTTTT
248101 TTTTTTTTTT TTTTTTGAGA CGGAGTCTTG CTCTGTCGCC CAGGCCGGAC
248151 TGCGGACTGC AGTGGCGCAA TCTCGGCTCA CTGCAAGCTC TGCTTCCCGG
248201 GTTCACGCCA TTCTCTGCC TCAGCCTCCC GAGTAGCTGG GACTACAGGC
248251 GCCTGCCACC GCGCCTGGCT AATTTTTTGT ATTTTATAGTA GAGACGGGGT
248301 TTCACCTTGT TAGCCAGGAT GGTCTCGATC TCCTGACCTC GTGATCCACC
248351 CGCCTCGGCC TCCCAAAGTG CTGGGATTAC AGGCGTGAGC CACCGCGCCC
248401 GGCCGTTTCC TGACTTTTTA ATGATTGCCA TTCTAACTGG TGTGAGATGG
248451 TATCTCATTG TGGTTTTGAT TTGCATTTCT CTGATGGCCA GTGATGATGA
248501 GCATTTTTTC ATGTGTTTTT TTGGCTGCAT AAATGTCTTC TTTTGAGAGT
248551 GGTCTTATAA TAACATAAAT ACCATGGCAA GAACTGATTC CCAGAAATTG
248601 AAAGTGAGGG AGTATGGATT AATTTTTCCC TCTGTAGAGG GAAACTACCT
248651 CCACCTCTCC TTGCTTGAG GAGATAATAT AGAAGGTGTT GCTAATTTCC
248701 CAGTTGATAG TCTTTAAAGA GAAGAAAAGT GGTTTGCTTA TTTTACCCGT
248751 AAAAGTTAAC AATGTGGTGT CAGATTTTTG ATCTAAGACT TCATTACTTT
248801 TGCAAAGTAC ACAATACCCC ATTTCTAGC ATATTATGAA ATGTTTTTAA

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248851 TAATTAATAAT GAAAATATTT TGCTAAATTA ATTGGCCAAG ATGCATTCTA
248901 ATGATTTTAT TCCTAGTGTG TTGTTTTTTT TCTCCTTATT GCTTGGCTGT
248951 AATTGACCAA GTACTTTCTG GCTCACCTTT TTCATGTGGG CTACTGCAGT
249001 TTGGGTTTACT CCCCATGGA TGGTATTGCT CCTCTAGTGG AATAACCTGC
249051 CATCCTTTTA TATTTTATAT TGTGAATCCT TATGCCATTC CAGAAAAGGC
249101 AAAAGGAAAT CAAGGCTGCA AATCTGCATG TCTTTTGAGC ATGTTGTGTT
249151 TTCTCAGTTT CAAAGACTTA GAAGCCAGCC AGAGAGAGGA AATCTTGCTG
249201 TTCTTTCTCT GCACTGTGAT ATACTGCATG CTCAGCATAT GGATGGCAAC
249251 TATTGGGATG CCAAGAAGAA TAGTTAATGA CATTTGTCTC CATAGAGATT
249301 ATAATGTAGA GAAAACACAA AACTTCAAAT GCAAAACGTT AAATGACAAC
249351 ATAGTGGTTA TGTAAATATGA GGTGATAATT AAGAAAAGTC CCCAAATAGG
249401 AGCATGGCCA TGAGCCAAAT AGATGATGAG AGCTCTAAGA TCAGAAAGGG
249451 GAAGTTGGGA GACCTCTGGG AGAAGCAGGG ACTTAGCCTT CACCTTGGCC
249501 TTCACAGAGG GATGTAATTT GGAGAGGTAA AGAAAAGGA GGAGAAGCTG
249551 GAGGTCAGCA GATTTGGTGT CTGAGTCTTG GCTTCACTAA TAAATGGCTG
249601 TCTAACCTTT GACAAGTGAT TTTCTAAGAT TCAGTTTCTT TATCTATAAA
249651 ATGGTCATAT TAATTGCCAC AGCTGGATTC CCAGGAAGCA TACTCAGAGA
249701 TGGAGATTAA TGTGTAGGAG GAGGTTTGTG AGGGAATCTT CTGGAGACCA
249751 ACACCTGTAG AAAGGAGGAG GAAGGAAGCA GACTGGTCAG GGAGAAGTCA
249801 AGCTGTGACA TGGGTCATTA GAGGCCTCTG CCAACCCCAT TGGGAGTTCT
249851 GGGGCTAGAT GGCCCTGCAG AACTGTGCTG AGTTGGGACA AGAGGGCCTT
249901 TGTAACCCCA AGTCAATCAG ACATTGCATG TGGGCCACTC TGGGAAGGGG
249951 CCGTGACTGA ACAAGATGTT CACTTCTGTA TTTACCAGTA TAGACTTCAT
250001 CTGGATTGTC CAGTTGTTAA CACTTTGTCA CATTTTGTGA ATTTTCTTTT
250051 ATATCTATCT ATATAATATA TATACATATA CACTTATAAA TTATTATTAT
250101 TACTGATCCG TTTGAGAATA GATTCCATGC TTCATGATTC TTCAACCCTA
250151 AATATTTAAA TGAGTAGCTT CTAAAAACAA GAACATTCTC TTAATATAAC
250201 CATAGTATGA TGATTGAATT CAGGAAATTT CACATCAGTA CATACTATTA
250251 TTTAACATAC AAATCCATAT TCAGATTICA TTGATTATCC CAATAATACC
250301 CATTATAGCA ATTGTTTTTC TGATTAGGA TACAAGCCAG GATCACACAT
250351 TACTACTCAGT TGCTATGTCT CTTTGGTGTA TTTACTCTAG AATGGTTCCT
250401 TAGTCATTCT TCATCTTTCA TGACACTGAC ATTTTTGAAG AGTGCAGGCC
250451 AGTTGTTTTG TAAGATATCT CTTACTGTGG GTTTGTCTGT TGTTTCTCTA
250501 TTATGAGCTT CAGGTTATAC ACTTTTGGTG GTAGCCTACA TAAGAAATAT
250551 TGTTTGTCTT GAACTTTTAA ACATTTAATT ATAGGAAGTT TCAGCCACAT
250601 ATAAAGTAG TCAGAGTAGT ATAATTTTTT TGTAGACTAA TCAACCCAAC
250651 CAGTTTAAAC GTTATCACCC ATGACCAATC TTGTTTTTCT ATACTTCCAC
250701 CTGTTCTCAC ATGTTACTTT TAAGGAAGTC CTATTATCA TATGTTATAT
250751 CCATAAGTAT TTAAATAAAT ATGTGAATTT TGATCTGCTC TTTGACACTT
250801 TCCCTTGGAT GTCCATTAGG CATCTCAAGC TCAGGATTTT CAAAACCTGAA
250851 CTCCTAAATT TCCCTACCAC ATCTGCCCCC TCCACAGCCT TCCCCATTGT
250901 TACATAAGCA AAGGCAAGAT CTAGTTAAGA AAGAACCCTC CAGCTCAGTA
250951 AGTAGTGCCT GAAGGCTTAC TTAGTGTGTG ACAGTTTAAG GATATCAGGC
251001 AAATGACTTT GTCGTCTCCT CTATGAAGAA GTTGGGTGGC AACACACCTG
251051 GTGATCATGC TGCCATCCTT CTCCAAGTTC TCTAACTGG GGGCCCTGGG
251101 GCTTTGTAAG TATTAATATA TGCGATGTCA GGCATAGAGT AGACCCTAGC
251151 ACAGTGGTCA GAAGGGAAGA TGCAGGGGGC AAGCTGCTGG GATTTATATC
251201 CCTCCTTGCC ACTGACTAAT ATGTGTCCTT GGACAAGTTA ACCAACTCT
251251 TTGGGCCCTCA GATTTCTCAT CTGTGAAGTG GGAATAATAA TGATTTTTCG
251301 CTCATAGAGT TGTTGTTAGG GTGAGTTGAG ATAATGTATG AAATGCACTA
251351 AGAATAGTTT ATGGCACATA GTAAGTGCTC AGTAAATGTT AACAACTTAG
251401 ACTCTCAATA TATGTGTGGT TGCTTCACTT TGAAAATCCC CAAGCCAAGT
251451 GTCTGAAGGT GTTGACATGT GTTTGTGATG TTTTATACCT GAGGGCATTG
251501 GTAAGTGAAG CAGCTGTTTG TTAAGACATG CATGTAGTAT CTTTTTAGCA
251551 TGCGAAAAGT GCTAGTGCCA ATCTCTGAG AAAATGCCAT GAAGTTGTTT
251601 AATATAAATT CCAGACATTT GCCATCTCC AACTGACTTC TGGCCACAGC
251651 CACTTCTCAC TCTTGAGGG AGACTACTCC ATAAATGAAA CTCCCCTACT
251701 GGTGCACAAA CAACATCAGC TCTCAGAAGT TATTAGGTGG TACTGCTCAA
251751 AGTCATTGGA ATGTTGGCAA AATGACAAGA AGTCAGTGTT GACTTCTTTT
251801 CTGACTGAGG AATTTCCATG TACATTTGAA GAGTGGTTGC TATTCATGTA
251851 TGGATAGATA AATGATGAAT GGATAGATGA ATTGATGGAT AGGTAGGTGG
251901 ATGGATGGGT GAACGGGTGG ATAAGTGGGC CTTTGTGGCT CCATGGTCCT
251951 CCTGAACTT CTGCTCTCAG GAAAGGTTTT CTGTTCAAAA AAGTTTTTTG

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252001 TTTTGTTTTG TTTTTTTTTG TTTTTTTTACA CCTCAAGCCA GATTAAATTC
252051 CAGGCCTGGC TCCATGCTCC CACTAGAAGC CAAAAAGGAG ACCCTGTGGA
252101 ATGACGGCTC GTCAGCTTTC AGCTCTGAGG AGGGCAAGGG GCCACTGTGA
252151 CTAAGACTGG TCCTTTAACT CACAGAGGCC AAGGCAATGT ACATGAAGGG
252201 CCTGCTCTAT CTAAATGAAT TATCCTCTTG GCCTCAGCTT TATACATCAA
252251 GTAAGACCAC TGGTGTCCCTG TGCCTTACTA CTTAGAGTGT GGTCCCTGAC
252301 CTGACCAGG GACATCATCT GGAAACCCGT GAGAAATGCA AACTCTCTGG
252351 CCCCTCCCT CCTGAATCAG AATCTGAATT TTAACTATT TAGAAATTCA
252401 TATACACATT AAAGTTTGAG ACATTTGTTA CCAGAATGTG AGTTGGAATC
252451 AGTCTTAATA AAAATCAAAT ATTATATAAA ATATATTAAT ATATTTATGT
252501 TTTAAGGCCC TAATATTTTT GACTTTTTAAA AATTTACTTA TGCTGGGAGT
252551 GGCAGCTCAC ACCTGTAATC CCAGCACTTT GAGAGACCAA GGAAGATTGA
252601 TCACCTGAGG TCAGGAGTTT GAGACCAGCC TAAATTACTA AAAATACAAA
252651 AATTAGCCCG GCATGGTGGC ACACGTCTGT AATCCCAGCT ACTAGGGAAG
252701 GTGAGACAGG AGAATCGCTT GAACCCAGGA GACAGGTTGC AGTGAGCTGA
252751 GATCACGCCA TTGCACTCCA GACTTGGCAA CAAGAGCGAA ACTCGGTCTC
252801 AAAAAATAAA ATAAATTCAC TTATTTTCCA TTTATTTTAA TAAGGAGTAT
252851 ATAAATTTACA TGCAGCAAAA CTCACCTCTT TTTATATATA GTTCTATAAA
252901 TTTTGATTG TATACAATAA GATTCACTCT TTTTAGTAAA CAGTTCTATC
252951 AGTGTTGACA AGTGCAAATA GTCGTATAAT TATCAGCACA ATCAAGATTA
253001 TTATAGAACG GTTCTCTGTC CCCGAAAATT CCCTGTGCTC CCCCTTTGTA
253051 GTCAGCTCCT CCCACCATAC CCTGTACCTC ACAACCATGG TCTACTTTCT
253101 GTCCCTATAG TTTTTCCTTT TTATAATGTC ATATTAGTGA AATCATCACT
253151 TAGCATCATA GACCCCATTT GTAACGGAT AGTTAGTTAT GAATATGGAT
253201 CTAGATCTAT GCATAGTCAT ATGCTAGAGC CTTGCAATTT TGAATAACTT
253251 CATTCTCCAC AGAACTGTCA CAAGGAGACT CAGGTCTGGC ATTAAAGTCA
253301 CAGGCACCTC ACTAGCAGCG GTCCCGAAGG TTTCTGTCCC CAGTAAGAGT
253351 CTGCTGTTAG AGAAACTTGC TACCCAGAAA ATTTTGAGGC TGAAC TGCTG
253401 GTTTCCTGT CAGACTTGTC AGCTTTTTCG AATGGCTGGG AGGCCTTAGT
253451 TCCTGGAAAC AGTGTGAGTA GAGGGAGTCT CCTTCATCTT GCTCTATTGA
253501 GATTTCCTAGG GATCAGATCC ACCTCACTAA AAAGCTCAAT AATGGAAAAG
253551 GCCTGAGAAT CTGGGGGAGC TTCTGAGCCC ACTTTTCCAA TTGGAAGTCA
253601 GGGACCTGAA AAACATCTGG GCCCTAAGAA ACAGTTTAAT GACAGGGATG
253651 GCATCATTTT CTGGTGACAT TCTCTGAATC ACCTTTGCAT TGCCAATTCA
253701 TGCAGTGAGC ACAGGAAAAA AATAATCTTT GTAGGGATAC GTGTTCTCCA
253751 CTTTAGGAAC TGCAATTACA CATATAGTAG GCTATTTGAA GTTGTCCTCC
253801 AGCTTACTGG TGCTATGCTC TTTTTTTTTA AGGCTTTTTT TTCCCTCTCT
253851 GTCTGTCAAT TTGGATAGTT TCTTTTGCTA TGTCTTAAAA TTTATTAATC
253901 TTTTCTTCTG CAATGTCTAA TCTACTGTTA ATCTCATTCA GTGTATGTTT
253951 ATAAATAGAC ATTATAAGCA GTTTGAGATT CATAGCAAAA TTGACTGGAA
254001 CATTCAAGGT ATTCTTCATC TTAGACATTA AGTTTTCATC TCTAGAAGTT
254051 TGGTTTGAGT CTTTTTGTTA CATCTTTCTT GTCTCTGTTT AACATGTTCA
254101 ATATTTCCCT TATTTAACAA GTAGAGTACA GTTATACTAA TTATTTTGAT
254151 GTCTTTTGACA TTGTGAGTTA AAACTCACCC TGTGTGGGTG TTGGATAATT
254201 CTGTATTCCA ATAAATAGCC GGGATCTTTG TTTTAGTTGC TTGGAAGCAG
254251 TTTGATACTT TTGGTTTTTA CTTTGTAGCT TTGTTATGTG GGACCAGGGC
254301 AGCATTTAGG CTACAGCTGG TTATTTCCCA TTAGTGAGC AAGACCCCTC
254351 TGGGTTCTCT ATGCAATGGC TGATGAATGA CCAGGTTTAC CAGTTTGCCA
254401 AGTATGAAGG TCTGAAGAGG CACTATTCAT GGCCCAATGT GAGCCCCAAG
254451 TACTATTCTC TCTCATCCTC TCGTGTCTCT CCCTCTCTCA GCTCAGTAAT
254501 CTCCTCACAT GCACGTGCTG GTCTACACTC AGCTGAATCA CACTGTATGT
254551 GTGGGTATAC ACAGGTTTAT TGATTTCCTT TGCTTCACAT TTTTTTAAAC
254601 AGCTTTTGTT TTAATACTTT TGTTAATTAT GTAACATGTT TCCATGGGTC
254651 CAAAGTCAGA TCTATTAAAA GCCATATTTA ATGAAGACTA GCTTCTATCC
254701 TTGATCCCTT GCCCTATTTT CTCCCTTCCA TGTTTAAAAA TTTCAGGGCT
254751 CATCCTTTCA TTTAAAAATA TATTCAGATA AATGAATCTC TCTCCTGCTG
254801 CTTAAGAAAT TGGTAACATA TTATATACAT TTTGTCTCCT TTATTTAGTA
254851 ATATATGCTG GAGCACAGTA GTATATGGCA ATATTCTTCA CTCTTTTTTA
254901 CAGCTTCCAA GTTCTCCTCT GTGTAGATGT ACTATTGTTT ATTCAACCTG
254951 TAACCTAATG ACGGACATAC GAGTATTTGC AGTCTTTCGC TAGTACGAAT
255001 AGTGCTGTAA TTAATAGCCT TGCACATTCA GGGTTTTTTG TTTGTTTTAT
255051 TGCCAATGTA TCTTTGAGAT AGATTTCTAG AAGTGAGATT GCTTAGTTAG
255101 AGAATAAATG CATACATAAT TTTGGTAGGT ATTTCCAAAT GCCACTTTGC

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255151 ATTCCCACCA GCAAAGTATG AGAGTGTGT TTCCCCACAA AGTACGTTAT
255201 CAAACTTTTG GAGTTTATTC TGCCTGTCTG TCTGTCTGCC TATCTATCTA
255251 TCCATCCATC CATCTATTGT ATATCTACTT TTGTCTTTTA TAAATGTAGT
255301 ATTTCAATTG GTGGTCTATT TTAAGTCTTT TTGGTATATT TTTTGGAAAT
255351 TAGGAAGCTA TATTTTCATG TCTTACAGCA AACACACTTG AGATTAAAGT
255401 GCACAAAATG TCCCCACATC TAAATTTGGA GTGGAAGGGA AGAAACCACT
255451 TTTAGCCTCA GGTTCAGCT GAGATATCCA ACACAGCTTT CCAGAAACCT
255501 TGCTTACTGG GAGTCAAATG GTGTTGCTTG CAAAGATTAA TAAAAGCGAT
255551 ACTTTTTTTT CTCATTTAGC TATTTAGCCA GAGATTTTTG TTTAAATTAT
255601 CTTAATGAGG AGTAGGGGTT TGTGGTGTTT TAAATCTCTA ATATCTAGGA
255651 GGAATCACCT TTCAGGGGCT GCTGATTTTG GTGTCATCAG TTTTAGATTA
255701 TTAATGCCTA GAGATCAGAC ATTAGTCTGG CATTATTAAT GCCATAGAGA
255751 TCAGTGAGT GACATGCACA TCATGCCCAA GTGGACATTG CTTCTCCTAT
255801 ATGTGGACAT TGTGTTTATA GTATTTATAG AGGAAGATGA GGGGTAAGGT
255851 GATCTTCTTC ATAGAACTGT CTCATGCCCT GGTATATTGA ATGGCTACCA
255901 CAGTGCATGC CACTGCTGAT GGTCAAAACA GGTTCCTGTA TTTTGCATC
255951 TGTGTCATAG ATGCCTGTTT TCCTCCCCAG GTCAGAGCAC AGCCCTGGTA
256001 TAGTGCTGCC GTGAGGGCTG AAGTCAACTA TTTAGAGGCT GCAGAAGGCA
256051 CAGGGATTTT CTATAAATAA CAGTGAGGTC AGACCTCATA ACTGATTCAG
256101 TCTCAGATAG CCGGTTTACA AGTTCCTGAA ATTTCTCCTT CACTTCAAT
256151 CACAGGAATA TCTTGACAGG AAGATCTAAA CAGAACATGA GAAGTCCATG
256201 ATCTTTATTG TCCTTCTTGT TAACCTGATA TATAGCTCAT GGTACAGTAG
256251 CAATCACTTG TAAAAATGAT GGTGAGACAT TAAGCACTTG CTAAAAATGT
256301 TCCTAAGATA GGTAGTAAC ATGAAGTTTA TAATCGTACC AGCTCAGATT
256351 TTGAACTGGA CCAAAGCCAT AGCAATGTTT ATATGGAGGG AAATAAATTT
256401 TCAATGCATG CCTCCTTTGT GCCAGGGAGT GTGCTAAGAC ACCTTCTGTT
256451 TCCTGAAGTT CTCACCATAT ACCTGTGAGG TGCAGGAGAT TCTCCATTTT
256501 ATAGGTAAAG AGTTTGTATT TCAAGAGGTG AAGAAACCTT CCCATTGCCA
256551 TATAGCTAGT AAGTGGCAAG GCTACACTTC AAATAGAAGT GTAGTTAATT
256601 CTAAAACCAAG AGCTGGAAG TACTGCCAAG ATGAGATGGG AACAGTGGGA
256651 GCTGAGTGAT GCTAAAGTCT AGATCTCATC AGGAACCTTA AAGAAGCCTC
256701 TTAATTACCA CAGGCCTTTT ATGTACCTGG CATCATGCTC TGGAACCTAT
256751 TTGTTTTTCT TTGGTAGCCA TAAGTACAAA CCAACTCACC TTAGAGATGC
256801 AGAAGCTGTG ATTCAAAGAG GTTAAGTTAA ACACCCAAGA CCAAAGCTGG
256851 CTTCTAGGGT TGGTCTGTCT GCTGTCATAT TTTATGCCCT TTCACATGCT
256901 TTTCTGAATT GGCAGGTATT GGTATTTGTA TTTTGACAGC ATCTCATCTT
256951 CTGAGCTCAG GCTATTACTG TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG
257001 TATCACTAGA ATGTACTATT TTAATTTTCC AAGATTTCCA AGTGCTTTAT
257051 GAACAAAGCT CATCTGTTT CACTGATTGA AGTAACCTT TAATGGAGAA
257101 ACAGATGCAG TGATGGTTCT TTTCTCATTC CTTTTCCTAA TCTCATTGAA
257151 AAAGTGCTAG TTGTACCTCC AACATTCCCT TTTTAAATA AAAGGTCAGT
257201 ATCAGGCAGT GTTCTGAAG AAAGTCTGA TTGAAATCAG CATTTCAATT
257251 TCAAAACAAC AAAAGTTTGT ACGTAACAAA AGCTTGGTAA TCAGCAAATA
257301 AGGGTTCTCTT AAGGTTCTCT TAGTGGTTCT AAATTTATAT GTCGGTTTTA
257351 AGAGATCCTT TAAAGAGCCT GTCAGACCTC TTAATCAGCT GTCTCAAGGC
257401 CTGGAAGCAA TTAATTGAAT TCTTCTTGAG AGTCTGTTAG GTGTGAGGCA
257451 TTGTGCTTTG GGGCATAGAA CAAAAGACA CCTTACAACC TAGCTAGGGA
257501 AACCAGGACAC CTGTAAGTGT GATTTACAAG ACTGAGGGCA AATGCCAGGA
257551 GCCACTGGAG TGGAGCCAGC ACTCTGGAAG TTCAGAGGAG GAGGCCATC
257601 TCTTATAAAG GAGTGAGCAG ATTCATGCAC TTCTCCCTGA AATGGACCTG
257651 TTGTATTTGT TTCCCTGCTC CAGGAATGAC TTATCATCTT TCTCTGAAGC
257701 GGAGGTTTAC TAGCATAACT GTAGCCCAGA TGTGAGCCAG CTTGTCCCTG
257751 CCTCTCCAGA TCTAGGCAAC TTTGACTTAA GCCCTTAGGA CATGCCCTAT
257801 GGTAGCTCAA AGCCTTTCCCT AAGACTTCTA CAAACTCTTG GGTGCTGTGA
257851 TGATCTCATC CTCTGGGCTT CTGTCTCTAT TGTCCCATTT CTGACCCATA
257901 TTGATGCAGA GTGAAAAATC TAGGCTTTTA ATTCATTTTC CCCAATACTC
257951 CTTGTGATGG TTAAGTGAGT GTCAACTTTA TTGGATTGAA GGATGCAAAT
258001 CCAGTCAAGG GTGTGTCTGT GAGGGTGTTG CCAAAGGAGA TTAACATTTG
258051 AGTCAGTGGG CTGGGAGAAG CAGACCTACC CTCAATCTGG GTGGGCACTA
258101 TCTAATCAGC TGCCAGCATG GCTAGAATAA AAGCAGGCAG AAGAACGTGG
258151 AAGGACTAGA CTGGCTGAGT CTTCTGACCT TCATCTTTCT CCCATACTGG
258201 ATGCTTCTTG CCCATCAGAC TCCAAGTTCT TCAGCTCTTG GACTCTTGGA
258251 CTTACACAAG TGGTTTGCCA GGGGCTCTCA AGCCTTCGGC CACAGACTGA

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258301 AGGCTGCACT GTTGCCCTCC CTACTTTTGA GATTTTGAGA CTCGAACTGG
258351 CTTCTGGGCT CCAGATGGCC TATTGTGGAA CTTACCTTG TGACTGTGTA
258401 AGTCAATCCT CCTTAATAAA CTCCTTTTCA TATATACATC TATCCTATTA
258451 GTTCTGTCCC TCTAGAGAAC CCTGAAAAAT GTACTCCTAT TCATCCAAAT
258501 CTTCTGTGAG TACACTTGAC TTTTTTGAAA ATTTGAAAGC TAGCAATAAA
258551 AGCCTCATGT CACAAGGACA TAAGCAACTT CAAACTAATC ATTAGGCATC
258601 CCTGTTCTTT AAAAATGCTC TTTAGCAGGT GGGCCATTG GAAAGGAGGC
258651 TCTGAGATGA TTTTCATGTG GAAAGGTTT TGGGGATGGC CAGCTCTCTG
258701 GATCCATTTA TATAGGGGCA AGGAAGGAAA CAGGAGTGGG TAGAGAGAGA
258751 AGGTGGGCTG TGGTACCATC TCAGCAAGGC CTGGTCAACA GCACAGGGTG
258801 CACTGAAGTT GGGATGGCCT TGCAGAGTTC ATTGAGGGGG CTGAGCTCAA
258851 GAGCCCTGCG TCTACCAGTC ACTCACTGCA GGAATGCAGG AAGGGCATGA
258901 GCCCTGATGA GGCAGTTCTT GAGCTGAGCT CAGCTGAGGG CAATTCTTCA
258951 AGAGGGCTGA TGGCTGAAAT CTGTCTCCCA AGGGCACTCC AAGTAGGTGG
259001 AGAATAAAAC TTCTCTATTT TGA AAAACAG TCTTCATCCC CAGCTCCATT
259051 TCAGTTTTCT GGCATCTCTC ACTTTCCAC GTTTCTCAAG AGCAAAACAA
259101 ACTTTTCTCA TGGGGGACC TGAGTCATTC TTCTGCTTCT TTACTAATAA
259151 CATTGTCCCT AGGCTTTTCT CTTTCTTTC AAAAGTCATC CTTGCCATT
259201 GTTTTCTAAA TAAATAATTT CTGTGTGTGC ACGCATGTCT GTGCCAGCTG
259251 ATGCTTAACA CATTTGTACC CTAATTCCAT TTGCTCCATT TCAGTAATGA
259301 TGGGAAGCAT CAGAGAGATA AATCGCTATA ATGAGAACAA TGTGGATTTT
259351 AGGACCTGAA CAATCTGGGT TTGCAACTTG GCTACTTTTA CTCTGTGGTC
259401 TTAGACAAGT CCCTTTACTT CTCAGAGCCT CAGTTTCTTC ACCTGTACAA
259451 TGGAGGAATA TTTAAAAATA GCACTATATT GTGTATTAAG TGGTCACCCA
259501 ATAAATACCA TCCCTTCTAC CCCTCTTTCT TGGCCACTTC AATTGCCATT
259551 CTGCAGGCCC TGACTTTATG AGTTAGTGTC TCATTGACTA TGAAAATATT
259601 TGTTCTGTGA GTTTTTTTC TACACAAATT TGAAATCCTG CTTCCAAGCA
259651 AACAACTCTA AAGCAGACCC ATTAGCTCTT ATCAACTGCA AAACAGATGG
259701 CCAGGGTTGG GGTGTAGGGG GCATGTGGGA GCAGAGTTCA AGGACTTCTT
259751 GGGCAGTATT TATGTTCTA GTGCCAAGGC TTCTTCAGTG TTCTAGTAG
259801 CTCCTTTTTC CTCTTTCTG TTCATGTTT TTTTTTCTT TTAGAGCTGT
259851 AAGTAACTA TGTACATGT ATTTGATTT CATTATGACC ATGCCTGAAT
259901 TGTAGTAAAG TGTACTTTT CCAGCTGAGG GCTAGATATT TTTAAACAAT
259951 TAAGCATGTT TTATGATAAA ATTAAATAAA TGGATACAGC TGTTCCTATA
260001 GTATTTTGAA ATATCTATAT TATATTATC ATTGTTGAAA ACCCTAAACA
260051 CCACAGGTA CTACAGGCTA AGCAGGAAGT TTTGTTTTTA TTTCTCTATC
260101 ATTGAGTTT GCCTAATAGT TTCAAATTG CCAAATTAGA AAAAGGAAGC
260151 ATGCAACATG AACCTTTCAA TTCTCAGGAT AAAGTGCCAT ATCTGGACTT
260201 CCAATGCCTG GGATCTCAGA AAGGAGGCAA GTTTACTCTG ACAGTATGGT
260251 ATGAAGATAT TGACAAAAAA AATTTACAAA GAGATTATTT TGGATTCTTG
260301 ATAAGGTGGG GGTAGAATCA AGGAGTTTCA CCTGTCCTTC ATTAAGACCC
260351 TTGGGGTGTG AGGGGCACAT GCAGGTAAGT CACCCTTGTC CAACATGAAT
260401 GCACAAACAG AGCGGCCAGA AGCACTCTGG GTAGAGTCAG GTGCAGAATA
260451 ATGGGCAAAA CCTTAGAAAA ACTGGAAGAA TATTAGAGCC CTAGTATTGC
260501 CCACTCCATA TGAAATAGCA GTTTTTTTCT GTCCATCTGT GCCCATGGAA
260551 GCTGGACTGC AGGGAAAGGT AATCTCATAG GAGCAGGCAT GCTCTTTGGT
260601 GCAGCCAAGG ATTGTTTCA AGACACAGAG ATCCCTGCCT CCAGAACAAG
260651 AGGTAAGGGT GTATCATGGG AATGGGACCC ATGGCCACT TTATCTGTTT
260701 CAAGGATGGT CCAAAGATGT TTCTTTGTT GTTTGTTGT TTTAGACAA
260751 GGTCTCACTC TGTCTCCGG GCTGGGGTGC AGTGGTGTGA TCTCAGCTCA
260801 CTGCAACCTC CGCCTCCTGG GTTCAAGCAA TCCTCCACC TCAGCTCCT
260851 GAGTAGCTGG GATTACAGGC ATGCGCCACC ACGCTGGCT AATTTTTTACA
260901 TTTTATAGTAG AGATGGGGT TCGCCATGTT GGCCAGGCTG GTCTCGAACT
260951 CCTGACCTCA GGTGATCCAC CTGCTCGGC CTCCCAAAGT GGTGGGATTA
261001 CAGGAGTGAG CCAGTGCGCC CTGCCAAAGA TCTTTGTTT AAGCCTACTT
261051 GTATCTAAGA TTTTTAAGGC CCCGGGGATA TCTGAATTAT AAGAGTATCT
261101 CAGAAATGCT ATCCTCCCTC TATCAACATG GGAAAGGCTG TGGATTTGAC
261151 CTACTTGCCA CAAGTCCCTC AACCCTCCAG ATGCCAAGCT GAGCCAGCCC
261201 ACCTTGGTCT AACTCCAGAG CATTCTGATT TGTGCTTCT CGTGGCATCT
261251 CAGCCCTTGG AGAACGCTAT TATACCAGTA ATATTATGTA AGGAAGGCTG
261301 AGATTTTGGT TTGCCTTAAC ATTCTCCACT TCATCCCAGG GGTATCCCTT
261351 TCTCTGGACA TGATATAGAT TTACATGCAT TCCATGTTCC TGCCATAGAA
261401 ACTATCATGA GTTCTTTGCT GTCCAATATT CATAAAAAAC CTGGTGGCAA

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261451 AAATTCATAT TCATAAAGGT TTGCTGGAAA GATGTGACCA CCACCAATTT
261501 CTCCCCATCT TCTAAATCTT ACTACTGAAT CCACCCATTT CATGACCATG
261551 ACATTTAAGG GGAGAGAGGT CTCCTCTGCC CACTTGCTCT CACTCCAGT
261601 TGTTTGTCCT GAGTGTGTTT TGATTTCATG CTGTTGATTT CAATTAAGGA
261651 TATGACAAGA AATATTGTCA CCTTCTGTAT CATGCCATGT TTTCAGGTCT
261701 TCCTCCTCCA CATTGCAATG TTCTCTTTCT CTGCTGCCTT AGTATCTGGG
261751 AAGCTGTTTT TCCTGAGTAG CAGGTTTGTT TTTAATCCTA GGGTTTGAGT
261801 TGGTGAGCAT ACTGATCATC TTTTCTGCTT TGGCCACTAG GAATCATAGA
261851 ATCAAATTTA CCTCTGTCTT CGAAGATTAT ATGGTATGCA TTTCTTTCTT
261901 TCTTTTTTTT TTTTTTTTTT GAGACGGAGT TTCACTCTTG TTGCCCAGGC
261951 TGGAGTGCAA TGGGGTGATC TAGGCTCACC ACAGCCTCCG CCTCCCAGGT
262001 TCAAGCGATT CTCCTGCCTC AGCCTCCTGA GTACCTAGGA TTATAGGCAT
262051 GCACCACCGT GCCTGGCTAA TTTTGTATTT TTAGTAGAGA TGGGGTTTCT
262101 CCATGTAGGT CTGACTTGTC TCGAACTCCC GACCTCAGGT GATCCACCCG
262151 CCTTGGCCTC CCAAAGTGCT GGGATTACAG GCATGAGCCA CCGCGCCCCG
262201 CCTATATGGT ATGCATTTCT GTGTTAATCT TACTCTTAGA TTATGACTTT
262251 CTGACTTTA TTTTTCCTCT ACCCTGATT CAACTAATTA GTTTAATGTT
262301 TTGTATAGTA TAATATATGT TCTTTTAGGC TTCCTCAAAT GCTTTGTGAA
262351 ATGCAAGGGT AGATAGTAAT AAATAAATTG CAGAACTATA AAACGGAGAT
262401 TAAAAACATT CCTTCCCCT CCCAGATTAA AGCTACTCAT CAGAACTCAT
262451 CAGAAAAATC AGGTGTATTA GTCTGCTCGG GTTGCCATAA CAAAGTACCA
262501 TAACCAAGTT GCTTAAACAA CAGAAATATA TTTTCTGACA GTTTTGAAGG
262551 CTGCAAGTCC AAGATCAAGG TGCCAGCAGG TTTGGTTTCT CCTCAGGGCT
262601 CTCTCCTTAG CTTACAGATG GCTGTCTTCT TTCAGTGTTT TCATATGTCC
262651 TTTTTTCTGT GTGGACCCAC ATCCCTGGTG TCTCTGTGAG TTCAAATTTT
262701 TTCTTATAAG GACACCAGTC AGATTAGATT AGGGCCACCA ATAACAGCCT
262751 TGTTTTAACT TAATCACCTC TTTCAAGCCC TGGTCTACAA ATATACAAAT
262801 ATTCAGAGGT AATGGGAGTT AGGACTTCAA CATATGAATT TGGGGGATAC
262851 ACAGTTCAGT CTATAACATA AGGTGTTTTT ATTATCTGTG GTGGAAGGAC
262901 TTTCTTACAG GCCCTTTTCT CCCTTGCTCA TGAGGGATAG GTATGAGTGT
262951 TTGGAAGGCA CTTGCACAGA CCATGGCAGT AGCATCAAAT GCCTTCCAAA
263001 GGACCTCCAC CTGTAGAACA GAGGTGACTG ACGGGATTGT GTTTGTAACC
263051 TTTTTTGCTT AGTGTACCT GTGACAGATA AAGAGGACAA GCCTTATGCT
263101 CTCCCATTAG AAATTTTTGT CCACTCCTGT GCCTAGGTCT CAGGTTCTAG
263151 GTGGTGTACA GTTCCAGACC TGCCAGCAGC ATCACAGCTT GTATCTCAGC
263201 AACAACGTGT CCAGGGCACA CCTGACTTTC ACACAGATTA TTCTCAGGAT
263251 GGTCTGTTAT CACCAGAGG TTCTTGATAA GACAAACCCA GTGCTACTGA
263301 CTTCACTATC ATGGTGCAAC ACAGCTTGGA GAAATGGGAA AAAGCAGGCC
263351 CATCTTTGCC TTACCTGTCA TCCAAAGATG GAGACAGAAC TCTGATTTCT
263401 TAACATTATC TCTGCAAGTC AAAGTGTTCA AATTCTTGAC ACCAGCAGTT
263451 AAAACACAGG GCCTTTGATT GAAGCAGACA ACTGAGTGAG TTTTCCAGGA
263501 GGTCTGAAGA AAGCCAACCT ATTATCCAGG TCTCTGAACA GACAAATAAT
263551 TATGAGACAC TGAAATGTAT TTTCCCATGC AAGTCAGAAA TGGCTCAGCC
263601 TCTGTTTTCG ACTGTTAATT ACACTATTGG GCAGAGCCCT GTTACAGTTC
263651 TTGGTCTATG ACTTACCCTT GATGCCTGGC AGCATGGGTA GGAAACTGAG
263701 CTAATGTGTG GTCCTGACTT ACATCAAAAT GTGTGCACCC TCACCAGTGT
263751 CAGGTCAAAA ATGAGAGGCA AGAGGAATTT CAGACATAGC AGGAGTGCCCT
263801 CTGCTGTTGT ATCAGCTCGT AAGAGAAAAG AAGGCAGAAT TATTTTGAC
263851 TGTATTTTGT CAGCAGCAAT GTTCTGATCT CAAGAAATTG TGATGTTCTC
263901 CATGGTGAAA ATCAGTGAAC TAGCTGAGAC TTGAGAGAAG CAGGGAGAAT
263951 GCAGCTTACA TAAGCCCAGG CTGCTACCCA GGTCAGGGGT TCTGTCTCCT
264001 TTGTCTCTTG CCAAAGTCAT TGTGACTAG ACAATTGTCA ATTAGTGTTT
264051 TAGGCCCAGG GATGGCCCTT GCTGCTGTCA TGCTGCCAGA CTCTCTGTGA
264101 CCCCACCCAG CACTTGATGC AGGAGGCTTG AGACAGCTTT CAACCATGCA
264151 CCTAGATTTT TACTAGTATG CCAAACCTG TAAGATCAGA TAACTGCCTA
264201 CTGGAAAAAT CAAGATCTCT CCTTTCTTTT TTTAAAAGGT GTCTTTAGTT
264251 TTAGGTTTCA AGCAAAATTG AGAGGAAGAT ACAGAGATTT CCCATATATC
264301 TCCTGCCCCC ACACATGCAT AACCTCCCCA TTATCAATGT CCTGCACCAA
264351 GATGGTACAT TTGTTGCAAC TGATGAACCT GCATTCATAC AGCATAATCA
264401 CCCAAAGTCT ACAGTTAACT TTAAGGCTCA CTGTTGGTGT TGTACATTCT
264451 ATGGGTTTCA ACCAATGTAT AATGTCATGT ATCCATCACT ATAGTATCAT
264501 ACAGAATAGT TTCCTACCC TAAAAATACT CTGTACTCTG CTTAGTCATC
264551 CCTCCAACCC CCTGGCAACC ACTGATCTTT TTACTGTCTC CACAGTTTTG

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264601	CCTTTTCTGG	AATGTCATAT	AGTTGTAATG	ATATAGTATG	TGCCCTTTT
264651	CAGTTTGGCT	TCTTTCAC TT	AGTAATATTT	AAGATTCCTC	CATGTCTTTT
264701	CATGGCTTAA	TAGGTTATTT	CTTTTTAGCA	TTGTATAATA	TCCCATTGTC
264751	TGGATATACC	ACAGTTTATC	CATTTCATCTG	CTGAAGGACA	TCTTGTTTGC
264801	TTCCAAGTTT	TGACAAC TAT	AAATAAAGCT	GCTATAAAACA	TCCATTGTTCA
264851	ATTCTCTCTG	TGGACATATTT	TTCAACCTCT	CTAGGTA AAT	ACCAAGGAGT
264901	TGTATTACAG	AATCATATGG	TAAAAATATG	TGCAGTTTTG	TAAAAACAAA
264951	AAACAAAATA	AAACAAGAAA	TCCTCCAAAC	TGTCTTCCAA	AATGGCTGAA
265001	CCATTTTGCA	TTCCCTCCAG	CAATGAGTGA	GAGTTCCTGT	TGCTCCTCAT
265051	CCTTGTFCAGC	ATTTGGTGT T	GTCAGTGTTC	CAGATTTT TAG	TCATTCTAAT
265101	AAGTATGTAG	TAGTATCTCA	TTGTCTTAAT	TTGCATTTCC	CTGATGACAT
265151	ATGATATGGA	ACATCTTTTC	ATATGCTTAC	TTGCCATCTA	TATATTTTCT
265201	TTGGTGAGGT	ACCTGTTAAG	GCCCATTTTT	TAGTTAGGTT	GT TTGTTATC
265251	TTATTGTTGA	CTTTTAAGAG	TTCTTTGTAT	ATTTTGCATA	ATAGCCCC TT
265301	ATCAGATAAG	TGTTTTGCAA	ATATCTTCTC	CCAGTATGTG	GCTTGTCTTC
265351	TCATTCTCTT	GACGTTGTCT	TTACAGAGC	GGTCCAGATT	ATCATTTCTT
265401	GCTCTCAAAA	ATCATGCCTT	TGTTGTATCT	AAAAAGTCAT	TGCCATACTC
265451	AAGGTAATCT	AGGTTTTCTT	TTATGTTATC	TTCTAGGAGT	TTTATAGTCT
265501	TGCATTTTAC	ATTTAGCTCT	ATGATCCATT	TTGAGATAAT	TCTTGTGAAG
265551	GGTGTAAGGT	CTGTGCCGAG	ATCAATTAT	TTGCATATGG	ATGTACGGTT
265601	GTTCCAGCAC	CATTTATTGA	AAAGACTGTC	TTTGTTTCAC	TGCATTGCCT
265651	TTTGT TATCT	GTCAAAGATC	AATTGACTAC	ATTTATGTGG	GTCTATTTCT
265701	GGACTTTCTG	TTCTGTTTCA	TTGATCTATT	TGTCTATTCT	TTTGCCAATA
265751	CTACATTGTC	TTGATCACTG	TACCTTTATG	GTAACCTTTG	ATGTCAGATA
265801	TTGTTAGTTT	TCAACTTTTG	TTTTCAATG	TGTTGACTAT	TCTAAACCTT
265851	TTTTACTCTC	TCATATAAAC	TTTGAATCT	GT TTGTCAAC	ATCCACAAAG
265901	TAAC TTGCTG	GGATTTTTAT	TGGGATTGCT	TTGCATCTAT	TGATGAAGTT
265951	GGGAGGAACT	AACATCTTTT	TTTTTTTTTT	TTTAGAGATA	GAGTCTCACT
266001	CTATAGCCCA	GGCTGGAGTG	CAGTGGTGTG	ATGATAGCTC	ACTGCAGCCT
266051	CAAAC TCTG	GGCTCAGGTG	ATCCTTCTGC	CTCAGGCTCC	CAAGTAGCTG
266101	AGACTACAGA	GGTG TCCAC	TATGTC CAG	TAATAGAACT	ACAC TCTGCG
266151	CAATAAT AAG	TCTTGT TATC	CATTAGTATA	AAATCTCTCT	CCATTTTTTT
266201	AGTTCTTCTT	TGATTTATTT	CATCAGAGAT	TCATAATTT C	CCTCATATAG
266251	ATCTTG TATA	TATTTATGTTA	GATTTATACC	TGTTTCATTT	TGGGGGGGTG
266301	CTGATGTAAA	CGGTATTATG	CTTTTAATTT	CAAATTCAC	TTATTCA TTG
266351	CTGATATATA	GAAAAGTGAT	TGACCTTTTG	ATATTAACCT	TGTATCCTGG
266401	AACCTAGCTA	GAATCACTTA	TTAGTCCAG	CAGTCTTTTT	ATCGATTTT
266451	TTAAATTTTC	TACATAGACA	ATCGTGT CAT	CAC TGAAGGA	GAACATTATT
266501	TCTTCTTTCC	CAATCTTTAT	ATATTTATTT	CCTTTTTTAT	CTTGTTGCAT
266551	TAGCTAGAAC	TTCCAGTACA	ATGTTGAAAA	AGTGTGGTGA	GAGAGAACAT
266601	TTTTGCCTTG	TAAC TGACAT	TAGTTGAAAA	AGCTTTGAGT	TTCTCAC CCT
266651	TAAGTATGAT	GTTAACTATA	AGTTTTTTGT	AGATATCCTT	TATCAGGTTG
266701	AGGAATTTT	CCTGTATTCC	TAGTTTACTG	AGAATTTTTA	TCATGAATGG
266751	TGTTTG TATT	TTGTCAA AAG	CTTTTGTTTG	TGTTATTTTA	TATGATCATG
266801	TGATATTTT	ATTTTTTAGTC	TATTTAGTGA	ATGAATTACA	TTAATTGATT
266851	TTTGAACACT	GAAC TAGCCT	CACTTAGAGG	GGATAAATCC	CAC TTGGTCA
266901	TGTTGTATAA	TTCTTTTTTAT	ATATTGTTGG	ATTTTATTTG	CAAATATTTT
266951	GTTAAACCTT	TTTATGTGCA	TGTTTTATGAA	AAATACTGGT	CTGTAGTTTA
267001	ATTTTCTTAT	AACATCTTTG	GTTTTGGTTT	TTATTTTGGT	TTAGGTTGAT
267051	GGTGGTCTCA	TAGAATGAGT	TAGGAAATAT	TCCTTCTGCT	TCTATCCTCT
267101	GAAAGAGATT	GTAGGGAATT	GTTATAAATT	CTTCCTTAAG	TGTTTGGTAG
267151	AAGCAACAGT	GAACCCATCT	GGGCC TGGTG	CTTTCTGATG	TGGAAGGTTA
267201	TTAATTATTG	ATTTCAATTTA	TTGAATAAAT	AGTCTATTCT	TGTATGAGTT
267251	TTAGCAACTT	GTGTCTTTTC	AGGAATTGGT	GCATTT CATC	TAAGTTATCA
267301	AATTTGTGGA	CATAGAGTCC	CTCATAGTAT	TGTTTTATGA	TCTCGTA AAT
267351	GTTTCTTACA	TCTATAGTGA	TGTCCTCTCT	TTCA TTTCTG	ATACTAGCAA
267401	TTTGTGTTCT	CTCTTTTTTT	CTTAATTAGC	CTGTCTAGTG	GCTTAGCAAT
267451	TTTACTGATC	TTTTCAAAGA	ACCAGCTTTT	GGTCTTCTTG	ATTTTCTGTA
267501	TTGATTTCCC	ATTTTTTAAT	CCATTGATTT	CCGCTCTAAT	TCTTACTTCT
267551	TTCTTCTGCG	TTACTTTGAT	TAAATTTGCT	TTTTCTTTTT	CTAAGGTAGA
267601	AACCTAGATT	ATGGGATTTTA	TATCTTTCTT	CCTTTCTAAT	ATATGTATTCT
267651	ACTGCTATAA	ATTTTTTCTT	AGCAATTTGCT	TTCACTATAT	CCACAAATTT
267701	TGATAAGTTG	TGTTTTTCA TT	TCTATTTAGT	TCAAAATACG	TTAAATTTTA

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267751 TCTTGAGATT TCTTCTTTAA CCCATGTGTT ATTTAGAAGT GTGTTGTTTA
267801 ATCTCCATGT GTTTCAGGAT TTTCTAGTTA TTCTGTTATT GATTTCTAAT
267851 TTAGTTCAC TGTGGTCTGA GTGCAGACAT TGTATGATTT CTGTTTTTAA
267901 AAAAAGTCTA TGGCTTTTAT GGCCCTAAAT ATGGTCTATC TCGGTGAATA
267951 TTACATGTGA GCTTGAGAAG ATTTGTATTC TGCTGCTGTT GAATGAAGTA
268001 GTCTGTAGAT GTCAGTTTTA TCCTTTTGAT CAATGGTATT GTCAAGTTCA
268051 ACTATGTCCT TACTGATTTT CTATCTGCTG TATCTGTCTA TTTCTGAAAG
268101 AAGGATTTTG GAAGTCTCCA ATGATGATAG TGGATTTATC TATTTTTCCT
268151 TTCAGTGCTG TCAGTTTTTG CTTCATGTAT TTTGACACTC TGTGTTAGA
268201 CACATACACA TTAAAGAACA TGTGTGTTAA GGATTGTTT GACTTCTTAG
268251 AGAATTGACC CTTTATTAC TATGTAATGC CTTTATTTAT CCCTCATAGC
268301 TTCCCTTGCT TTGAAATCTG CTCTGTCTGA AATTATTAAG GCTCCCTTG
268351 ATTTCTTTTA ATGAGTTTTT ACATGGTATC TTGTTCTCCA ACCAATTGCT
268401 TTTAATTGTG TCTTTATATT TAAAGTGAGT TTCTCGTAAT TAACATGTAG
268451 TTGGATCTTG TTTTTGTTT TTTGATCCAC CCTGACAATT TCTGTCTTTT
268501 AATTGGTACA TTTAGATCAT TGATGTTCAA AGTGATTATT GATGTAGTTG
268551 GATTAATATC TACCTATTT CTTACTGTTT TCTATTGTT GTCTCTGTTT
268601 TTTGTTCCAT TTCTATCTTC TAGTCCTTTC TGCCTTTTTT TTAACAGGG
268651 AAAATAAAGA TTTTAAAGGC TGATTTGAAT AGTCAGTATA GGTGAGTAT
268701 CCCTTATCTG AAATGCTTAG GACCAGAAAT TGTTTCAGAT TTGGGATTTT
268751 TTTTTTCTG GATTTGGGAA TATTTGGTTC AGCATGCCA ATCTGAAAC
268801 CTGAAATTTG AAATGCTCCA ATGAGTATTT CTTTGAAC TCATGGTGGT
268851 GCTCAGAAAG TGTGAGATT TTCAGCATTT TAAATTTTGG ATTTTGGAT
268901 TAGGGATACT CAACGTGTAG TACGTTATCA TGCGAATCAT GAAGGAAAAG
268951 TTAGAAATGA GTGCACATCA TATTGTGAGG CTGTAATTTT GTTATGTGTA
269001 ATTTTTTTGC ATTAAACAAT TTTTAAAGGCC AATTTGGTTC TAAAAACAAT
269051 AGATTGCCCT TTACATAAAG TTAATATATC TGCCCCATTT CATTTAACTG
269101 TTGCAAAATA CTTTATATTA TGGATACACC ATCTATTTT AACTAGTATG
269151 CTATTGATTT CTTTTATGG TTTAATTGA GCAGATTCCC TTATCTCTCC
269201 TTTCTAACAT ATCAGTTATA CTTTTTTTAG TGGTTGCCCT AGAATTGGCT
269251 GTATACATTT ACACTAATC CAAGTTTACT TTCCTTTTTA AATTAAATTT
269301 AAATTTTTTT GAGAAAGGGT CTCATCTGTT GCTGAGCTGG AGTGGAGTGG
269351 TACAATTTCA TTTCACTGCA GCCCTGACCT CCTGGGCTCA AGTGAGCCTC
269401 CTAACCTCAGC CACCTGAGT AGCTGGGACC AAAGGTGAGT GCCACCACAT
269451 CTGGCTAATT TTTGTATTTT TTGTAGAGAT AGGGTTTCAC CATGATGTCC
269501 AACCTGGTCT TGAACCTCTG AGCTCAAGCC ATTCACCTGC GTTGGCCTCC
269551 CAAATTGCTG GGATTACAGG CATGAGCCAC CACACCTGGC CCAAGTCTGC
269601 TTTCAAACAA CATTATACCA CTTCATAGGT AATGTGGGTA CCTTATAATA
269651 ACAAATAAAT CCTAATTCTC TCCTCCATCC CTTCTATAAT TACCATCACT
269701 CCATTTATAT ATAAACATAC ATAAGAAAAT ATATGTACAC ACACACATGC
269751 ACACATAAGC ATACATCATT GAGTACATTT TACTATTAT TATTAGAACA
269801 GGTTGTCTGT TAGATTAAGA AAAATAAAAG TCTGTAAAC CTACCTTCAT
269851 CGATTCCTTC TTCAGTGATC TTTCTTTATG TAGACCTGAG TTTCTGACCT
269901 ATGTTATTTT CTTTCATTTA ACATTTCTTG CAAGGCAGGT CTCCTAGCAA
269951 CAAATTCCTT CAATTTTGT TTGTCTGAGA AAGTCTTTAT TTCTCCTTTA
270001 CTTTTGAAGG ATAATTCTC AAGGAACAAA ATTCTAGGTT GGTGGGATTT
270051 TCTTTTATAA CTGTATGTAT TTCACACGAC TTTTCATTTT CTGTCATGAT
270101 TTATTTTATT TTATTTTATT ATTATTATAC TTTTAAAGTT TAGGGTACAT
270151 GTGCACAACG TGCAGTTAG TTACATATGT GTACATGTGC CATGCTGGTG
270201 TGCTGCACCC ATTAACCTGT CATTTAGCAT TAGGTATAGC TCCTAATGCT
270251 ATCCCTCCCC ACTCCCCCA CCCCACAACA GTCCCCAGAG TGTGATGTTT
270301 CACTTCCTGT GTCCATGGGT TCTCATTGTT CAATTCCCAC CTATGAGTGA
270351 GAATATGCCG TGTTTGTTT TTTGTTCTTG CGATAGTTTA CTGAGAATGA
270401 TGATTTCCAG TTTTCATCCAT GTCCCTACAA AGGAAATGAA CTCATCATTT
270451 TTTATGGCTG CATAGTATTC CATGGTGTAT ATGTGCCACA TTTTCTTAAT
270501 CCAGTCTATC ATTGTTGGAC ATTTGGGTTG TTCCAAGTC TTTGCTATTG
270551 TGAATAGTGC CACAATAAAC ATACGTATAC ATGTGTCTTT ATAGCAGCAT
270601 GATTTATAGT CCTTTGGGTA TATACCCAGT AATGGGATGG CTGGGTCAA
270651 TGGTATTTCT AGTTCTAGAT CCCTGAGGAA TCGCCACACT GACTTCACA
270701 ATGGTTGAAC TAGTTTACAG TCCCACCAAC AGTGATAAAG TGTTCTTATT
270751 TCTCCAAATC CTCTCCAGCA TCTGTTGTTT CCTGACTTTT TAATGATTGC
270801 CATTCCTAAT GGTGTGAGAT GGTATCTCAT TGTGGTTTTG ATTTGCATTT
270851 TCCTGATGGC CAGTGATGAT GAGCATTTTT TCATGTGTTT TTTGGCTGCA

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270901	TAAATGTCCT	CTTTTGAGAA	GTGTCGTGTT	ATGTCCTTCA	CCCACTTTT
270951	GATGGGGTTG	TTTGATTTTT	TTCTTGTA	TTTGTTTGAG	TTCATTGTAG
271001	ATTCTGGATA	TTAGCCCTTT	GTCAGATGAG	TAGGTTGCGA	AAATTTTCTC
271051	CTATTTTGTA	GGTTTCCTGT	TCACTCTGAT	GGTAGTTTCT	TTTGCTGTGC
271101	AGAAGCTCTT	TAGTTTAATG	AGATCCCATT	TGTCAAATTT	GGCTTTTGT
271151	GCCATTGCTT	TGGTGTGTTT	AGACATGAAG	TCCCTGCCCA	TGCGTAGTGC
271201	CTGAATGGTA	ATGCCTAGGT	TTTCTTCTAA	GGTTTTTATG	GTTTCAGGTC
271251	TAATGTTTAA	GTCTTTAATC	CATCTTGAAT	TAATTTTTGT	GTAAGGTGTA
271301	AGGAAGGGAT	CCAGTTTCGG	CTTTCTACAT	ATGGCTAGCC	AGTTTTCCCA
271351	GCACCATTTA	TTAAATAGGG	AATCCTTTCC	CCATTGCTTG	TTTTTCTCGG
271401	GTTTGTCAAA	GATCAGATAG	TTGTAGATAT	GCGGTGTTAT	TTCTAGAGGG
271451	TCTGTTCTGT	TCCATTGATC	TATATCTCTG	TTTTGGTACC	AGTACCATTG
271501	TGTCTTGGTT	ACTGTAGCCT	TGTAGTATAG	TTTGAAGTCA	GGTAGCCTGA
271551	TGCCCTCCAGC	TTTGTTCTTT	TGGCTTAGGA	TTGACTTGGT	GATGCGGGCT
271601	CTTTTTTGGT	TCCATATGAA	CTTTAAAGTA	GTTTTTTTCC	AATTCTGTGA
271651	AGAAAGTCAT	TGGTAGCTTG	ATGGGGATGG	CATTGAATCT	ATAAATFACC
271701	TTGGGCAGTA	TGGCCATTTT	CACGATATTG	ATTCTTCCTA	CCCATGAGCA
271751	TGGAATGTTT	TCCATTCTT	TGTTATTCTG	TTTTATTTC	TTGAGCAGTG
271801	TTTTGTGATT	CTCCTGAAG	AGGTCTTCA	CGTCCCTTGT	AAGTTGGATT
271851	CCTAGGTATT	TTATTCTCTT	TGAAGCAATT	GTGAATGGGA	ATTCACTCAT
271901	GATTTGGCTC	TCTGTCAGCC	CAAAATCTCC	TTAAGCTGAT	AAGCAACTTC
271951	AGCAAAGTCT	CAGGATACAA	AATCAATGTA	CAAAAATCAC	AAGCATTCTT
272001	ATACTTGCAT	GATTTCCTG	AAGTCTAATG	TAATTCTTAT	CTTTGTTCC
272051	ATATAGGCCA	AATGGTTTTT	CCCATTCTGG	CTTCTTTTCT	GATTTTCTT
272101	TTACCTTTGA	TTTTCTGTAG	TTTGA <td>ATATGCCCTAG</td> <td>TGGTGGTGG</td>	ATATGCCCTAG	TGGTGGTGG
272151	TGGTGGTGGT	GGTGGTAATG	GTGGTGGTGT	TTCTTTTGG	TGTTTATCCT
272201	ACTTAGTGAT	CTCTAAGCTT	CCTGGATCCT	ATGGGTTGTC	GTCTGACATC
272251	AATTTGAGGA	AATTCTCAGG	CATTATTGTT	TTAAATATTT	CTTCTTTTCT
272301	CTCTGTTCTC	CTTCTAGTAT	TTTTCATGCA	TCTATGTATG	TATGTAGTAG
272351	TGTCATAATC	CTTAGATATT	CTCTTCTGTT	TTTTTTTTTT	TTTCAGCTG
272401	TGTTCTCTTT	GTTTTCTCAG	TTTTGGAGGT	TTCTATTAAG	ACCTCCTCAA
272451	GCTCAGAGAT	TTTTTCTCA	GCCATTTTTG	ATCTACTAAT	AAGCCCATCA
272501	AAGGCATTCT	TTGTTTCTGT	TACAGTATTT	TTTACACTTT	TTATTTTAGG
272551	CTTAGGACTA	CATGTGCAGG	TTTGTTATAC	AGATAAATTG	TGTGTAGCAA
272601	GGGTGTGATG	TAAGATTATT	TCATCACCCA	GGTGATAAGC	ATTTAATTTA
272651	TAGGTGGCTT	TTGTTTTTCT	TTTTGTTTGA	AACAGAGCCT	CACCTATACA
272701	CCCAGGCTGA	AGTACAGTGG	TGCCATTCTA	GCTCACTGCA	ACCTCCTGGT
272751	TTCAAGTATG	TCTCATGCCT	TAGCCTCTG	AGTAGCTGGG	ATTACAGGTG
272801	TGTGCCATCA	CAGTAACATT	TTTAGTAAAG	ACAGGGTTTT	ACCATGATGT
272851	CCAGGCTAGT	CTCGAACTCC	TGGCCTCAAG	TGATCCACCT	GCCTCAGCCT
272901	CCCAAAAGTG	CTGCAATTAC	AGGCATCAGC	CACCATGCCT	GGCCCTTGAT
272951	AGGTAGTTTT	TGATCCTTAC	CCTCCTCCCA	CCATCTACCT	CTCAGCAGGG
273001	CTCAGTGTCT	GTGTTCCCTT	TCTTTGTGTT	CATGTATACT	CAATGTTTGC
273051	CTTCCACTTA	TAAGTGAGAA	CATACAGCAT	TTGTTTCTCT	ATTCTGTGT
273101	TAGCTTGCTT	AGGATAATGG	CCTCCAGCTC	CATCCATGTT	ACTGCAAAGG
273151	ATATGATCTC	ATTCTTTTTA	TGACTGTGTA	GTATTCCATG	GTGTATATGT
273201	ACTACATTTT	CTTTATCTAG	TCTACCACTG	ATGAACATTT	AGGTTGATTC
273251	TATGTCTTTG	CTTTTGTGAA	TAGTGTCTGA	ATGAACACAT	GTGTTGCACT
273301	TGTCTTTATC	TGAGAATGAT	TTCTATTCTT	TGGATACAT	ACCCAATAAT
273351	GGAATTGCTA	GGATAGATTG	TAGTTCATT	TTTAAGTTAT	TTGAGAAATT
273401	ATCAAGTTGG	TTTCCAAAAT	AGCTGAAC	ATTTACATTC	CCACTGGCAG
273451	TGTATAAGCA	TTCCCTTTTC	TCTGCATCAT	CTTCAGCATC	TGTTATTTTC
273501	TGACTTTTTA	ATAATAGCCA	TTGTGACTGG	TGGGAAATGG	TATCTCATTG
273551	TGGTTTTGAT	ATGCATTTCT	CTGAAGATTA	GTGATATTGA	GCATATTTCA
273601	TATGTTTGTG	GGCCACATGT	GTATGCTCTT	TTTTAAGAA	TGTCCTTTCA
273651	TATCCTTTGT	ACACTTTTTA	ATGGGGTGT	TGGTTTTTGT	TTCTGCTGATT
273701	TGTTTAAGTT	CCTTATAGAT	TGTGAATATT	AGACCTTGTC	AGATGTATAG
273751	TTTGTA <td>TTTTCTCCCA</td> <td>TTCTGTAGGC</td> <td>TGTTTTGTTA</td> <td>CTCTGTTGAC</td>	TTTTCTCCCA	TTCTGTAGGC	TGTTTTGTTA	CTCTGTTGAC
273801	ATTTTCTTTT	GATGTGCAGA	AGCTCTTTAA	TTTAAPTAAG	TTTCATTTGT
273851	CAATTTTTGT	TTTTATTGCA	ATTACTTTTG	TCATCTTCAT	CATTA
273901	TTGCCAAGGC	CTATGTGTAG	AATGATATTT	CCTAGATTAC	CTTCCAGGAT
273951	TTTTATTGTT	TTAGGTTTTA	CATTTAAGTC	TTTAATCCAT	CTTGAGTTGA
274001	TTTTTGTATA	TGGTATAAGG	AAGGGGTCCA	GTTTCAATCT	TCTGCATATG

274051	GCTAGCCAGT	TATCCCAACA	CCATTTATTG	AATAGGAAGT	CTTTCCCCAC
274101	TGCTTGTTTT	TGTCAACTTT	GTCCAAGATC	GGATGGTTGT	AGGTGTGTGA
274151	CTTCATTCCCT	GGGCTCTCTG	TTCTGTTTCCA	TTGTTCTGTG	TGTCTGTTTT
274201	TTGTACCAGT	ACATACTGTT	TTAGTTATGG	TATCCTTTTG	ATATAGTTTG
274251	AAGTCAGGTG	ATGTGATGCC	TCTAACTTTG	TTCTTTTGCT	TAAGATTGCC
274301	TTGGCTATTA	GGGCTCTATT	TAAGGTTTCA	ATGAATTTTA	AAATAGTTTT
274351	TTGTAAACT	GCTGAAGAATG	TCAATTATTAG	TTTGATAGGA	ATAGCATTGA
274401	ATATGTAAAT	TGCTTTGGGC	AGTATGACTG	TTTTAACAAAT	ATTGGTTCTT
274451	CCTAATCATG	AGTATGAAAT	ATTTTTTCTA	TTTGCTTGTG	TAATCTCTGA
274501	TTTCTTTGAG	CAATGTTTTG	TAATTCTCAC	TGTACAGAAT	TTTCACTCCC
274551	TGGTTAACTA	TATTTCCAGG	TGTTTTGTTC	TTTCCGTGGC	TATTGTGAAA
274601	GAGATTGCAT	TCTTGATTTG	GCCCTCAGCT	TGGACATTGA	TGGTTTTATG
274651	AAATGCTACT	GATTTTTGTA	CATTAATTTT	TGAGGCTGAA	CGTTTTGCTGA
274701	TGTCAATTAT	CAGATTTAGG	AGCTTTTGAA	TAGAGATTGT	GGGGTTTTCT
274751	AGATATAGAC	TCATATTATC	TACAAACAGA	TAGTTTGATT	TCTTCTCCTA
274801	TTTGGATGCC	TTTTATTTCT	TTGTCTTTCT	TGATTGCCCT	GCCTAGGACT
274851	TACAGTACTT	TGTTGAATAG	AAATGGTGAG	AATGGGCATC	CTTGTCTTGT
274901	TCTGTTTTCT	AAGGGGAATG	CTACAGCTTT	TTTTTTTTGT	TCAGATGAT
274951	GTGGGCTGTG	GGTTTGTGAG	AGATGCCCTCA	TATTTTTGAG	ATATGTTCCCT
275001	TCAATGCCTA	GTTTGTGTG	GAGGATTTTT	AACATGAACA	TATGTTGAAT
275051	TTTCTCAAAA	ATCTTTTCTT	CGTCTATTGA	GATGATCATG	TGGTTTTTGT
275101	TTTCAGTTCT	GTTTCTGTGG	TGAATCACAT	TTATTGATTT	GTGTATGTTG
275151	AACCAACCTT	ACATCCCAGT	AATAAAGCCT	ACTTGATCAT	GGTGGTTTTAG
275201	CTTTTGTGTG	TGCTGTCTGA	TTTGGTTTGT	TAGCATTTTA	TCCTGGATTT
275251	TTGCATCTAT	GTTCATCAGG	GTATTGTTGT	GTCTTGCCA	TATTTTGGTA
275301	TCAGGATGAT	GCTGGCCTCA	TAGAGTGAGT	TAGGGAGGAG	TCCTCCTCC
275351	TTAATTTTTT	GGAATAGTTT	CCATAGGAAT	GGTACCAGGT	CTTCTTTATA
275401	CATCTGGAAG	AATTCAGCTG	TGAATCTCTC	TGGTATGGGA	CTTTTCTTGT
275451	TTGGTAGGCT	TTTTATCACT	GATTCAGTTT	TGGACCTCAT	TACTGGTCTG
275501	TTTTCAAGAG	TTCATTTTCT	TCCTGGTTCA	ATGTTGGGAG	GTTGTAGATT
275551	TCTAGGAATG	TATCAGTTTC	TTCCAGGTTT	TTCAGTTTGT	ATGCATAGAT
275601	ATGTTTTGAG	TAGTCTCTGA	GGATTTTTTT	TTATTTCTAT	AGGGTTGGTG
275651	GTAATGTCCG	ATTTGTTATT	TCTAATTGTG	TTTATTTGGG	TCTTCTCATT
275701	TTTTTCTTTA	TTATTCTAGC	TAGTGGTGTA	TCAGTCTTAT	TTACTCTTTT
275751	AAAAAACCAA	CTCCTGAATT	CATTAATCTT	TTGGAGGTTT	TTACATCTC
275801	AGTTTTCATT	AGTTCAGCTC	TGATTTTGGT	TAGTTCTTGT	CTTCAGCTTT
275851	GGGTTTGGTT	TGCCCTCTGT	TTTTCTAATT	CTTGAGTTG	TGATGTTAGG
275901	TTGTTAAATT	GAGATCTAAC	TTTTTGATGT	GAACACTTAG	CACATAAAC
275951	TTTCCTCTTA	ACACTACTTT	AGCTGTGTCC	CAGAGATTCT	GGTATGTTTT
276001	ATCTTTGTTC	TCATTAGTTT	CAAAGAATTT	CTTGATGTCT	AACTTAATTG
276051	CATTGCTTAC	CCAAAAGTCA	TTCAGGAGAA	GATTGTTTAA	TTTTCATGCA
276101	CTTATATGGT	TTTTTAGAGAT	CTCCTTAGAG	ATTTCTGTTT	TTATTGTGCT
276151	GTGGACTGAG	AGCTTGGTTC	GTATGATTTT	GATTTTTTTT	CAGTTTGCTT
276201	AGAATTTTGT	TTTGTGGCTGA	TTGTATGTTT	GATTTTAGAG	TATGTGCCAT
276251	GTGGCAATGA	GAAGAATGTA	TATTCTGTTG	TTTGGGGTGG	AGAGTTCTGT
276301	AGATGTCTGT	CGGGTCCTTT	TGGTCAAATG	TCAAGTTCAA	GTCCTGAATA
276351	TCTGTTTTCT	GCCTCGGTGC	TCTGTCTGAT	ACTGTCAGTG	GGGTGTTGAA
276401	GTCTCTCATT	ATTATTGTGT	GGTTATCTAA	GTCTCTTTGT	AGGTCTCTCA
276451	GAACACTGGT	CTTCTGTGTT	GGGTGCGATAT	ATATTTAGGA	TAGTTAGGTC
276501	TTCTTGTTGA	ATTGAACCTT	TTACCAATTAT	GTAGTGCCCT	TCTTTGTCTT
276551	TTTTGATTAT	TGTTGGTAAA	AAGTCTGTTT	GGTCTGAAAT	TAGAATAGTG
276601	CCCCTGCTTT	TTCTGTTTT	CCATTTTTGT	GGCAGATTTT	TCTCATTCCT
276651	TTTACTTTGA	GCCTATGTGT	GCCATTGCAT	GTGAGATGGG	TCTTTTGAAG
276701	ACAGCATATA	GTTGGGCCTT	GCTTCTTTAT	CCAACTCGAC	ACAGTGCCTT
276751	TTAATTGTGG	CATTTGGTCT	GTTTACATTC	AAGGTTAATA	TTGATATGTG
276801	TGGACTTGAT	CTGTGCTGCA	TGTTATTAGC	TGGGGTTATT	ATATAGACTT
276851	GATTGTGTAG	TCTTTTTATA	GTGTCAACGG	TCTATGTATT	TAAGTGTGCT
276901	TTTGTGGTAG	TTGGTAACTG	TCTTTCCTTT	TCATATTTAG	CACTCCCTAA
276951	AGGACCTTTT	GTAAGGTGGG	TCTGATGGTA	ATGAATTTCC	TTAGAATTTG
277001	CTTGTCTTAA	AAGGATCTCA	GGGTTTTTTG	TTGTTGTTGT	GTTTTTGTTT
277051	TTTGTTCTAT	GAAGCTTAGT	TGGCTGGGTA	TGAATTTCTT	GATTTGGAAT
277101	TTGTTTCTTT	AAAAATGCTG	GATATAGGCC	CCCATGTGCT	TCTGGCTTGT
277151	AGAATTTCTG	TTGAGAGGTC	TGCCATTAGC	CTGATGGGGT	TCCCTTCGTA

277201 GGTGACCTGT CCCTTCTCTC TAGCTGCCTT TAGCATTTTT TCTTTCATTT
 277251 TGACCTTGGA GAATCTGAGG ACTGTGTCTT GGGGATGCTC ATCTTTGTAT
 277301 AGTATCTCAC AAGGGTTCTC TGCACCTCCT GATTTTGAAT ATTGGCCTCT
 277351 CTAGCAAGGT GGGGAAAATT TTTATAGACA ATATCCTTAA ATATATGTTT
 277401 CAAATTGCTT GCTTCTCTCT CCTCTCTTTA AGAGATGCCA GTGAGTCATA
 277451 GATTTGGTCT CTTTACATAA TTCTTGCTTT CTGTCCCTCT CTTTCACATA
 277501 TACCAGTGAG TCATAGATTT GGTCTCTTTA CATAATCCA TATTTTGGGA
 277551 GGTCATTCT TTTTATCCT TTTTCTTTA TTTTGTCTG AGTTAATTTG
 277601 GAGAACCAGC ATTTGAGCTT TGAAATTTT TCCACAGCTT GGTCTATTCT
 277651 GGTATTACTA TTGCAATTG TATTATGAAA TTCTGGAAGT GAGTTTTTCA
 277701 GCTCTATCAG ATCAGTTTGG TCCTTTCTTA AAATGGCCAT TTCATATTTT
 277751 AGTTCCTGTA TTGTTTTATT GTATTCCTTA GATTTCTTGG ATTGGGTTTT
 277801 GACTTCTCTC TGAATCTCAA TGATCTTTTC TATCCATATT CTGAATTCTA
 277851 CGTCTGTCAT TTCAGCCAAG TTAAGAATCA TTGCTGGGGA ACTTGTGCAG
 277901 TTATTTGGAG GTAAGAAGAC ACTCTGACTT TTTGAGTTGC CAGAGTTCTT
 277951 GTGCTGGTTC TTTCTCATAT TTGTGGGCTG ATGTTCTTCT AATCTTTGAA
 278001 GTTGCTTTCT TGTGGATGGG TTTTTTGCTT TTATCGTCTT TGATGCCCTT
 278051 GGGAGTTTGA TTGTGGTACA GGGTGGTTTC AGGCATCTGG CTTTGTATTAT
 278101 GGAATAAGCT GAGCTGTGTG CTCTAACTCT AGAGGCTGGT ACCAGTGCCT
 278151 GAGCTTTGTT CTCTGGACCC TTGAGGTTAG GAACCTGCTG CACTAGGGGG
 278201 GTGTTGAGGT GTTCCCGGTC TGCTAGCCAC AACATGCCAA TAGTTGGTGC
 278251 TGGCCAAAGA GTTCTGTTGG GGCAATGGCA GTGGGATCTG TGTTACGCG
 278301 CACATGCCAT CAGCTGAGAC ATAGTCATGG GGTATACATG TGTCAGCTGG
 278351 GGTGGAGCAC CATTGGGAAT GGAGTGATGG CATTCTGCA CCCACTCGTG
 278401 CTGGTGGCAG TGATGGCATG GCTGGGTGGG GTGCAAGCAG GGGTGGGGTT
 278451 GCCAGCATTT GTGTGTGTGC TTGTGCTGGT GGCAGCAGGG GAGGGATTTC
 278501 CAACATCTGT GCATGCATTT GTGGTGGCAG CATGGTGGGG TGCCACACA
 278551 TTGGTGGAGG GGGCAGTGGG GTACGCTCAC ACCAGCAGAA GCAGTGCTAT
 278601 GGTGTGTGCA CTGGCGGGGG AGGGAGGGAA GGTCTGTCTA CACATGCATG
 278651 GCAGCCAAAC AATTGTAAGA AGGTCATTGG TGAGTGCGTG CTAACAAAAC
 278701 GGCAAAAGGA AGCTTCAGGT GAGCTGGTGT GTTTTGGCAG GGGCAGGTCT
 278751 GCTGGAGTTC TCCAACAGTC AACTGTGGCC TGCTGGTGAA AGAGCTATGA
 278801 TGAGGGCCTC TGGGAAATAT CCTGTTGGG CATCCAAGGC TGCACTGCTA
 278851 GCAGGCATGG TGAGGGTGGG GCCCCAGGAG AAGCCAGCAG ACACAGGAGT
 278901 GCTCAGATTG GACTGGCCCC ATTCCACAGG CAAGATTGCC CTGCTCTGCC
 278951 TAGGTTCCAAC AGTCTCCCTA AGGTTAAAGT CTCCTAAAG AGCATGGTGA
 279001 GCCTTGGGGA ATTGGCATGT CTTGTCCCTG GCTCCACTGC AGATGTTTCT
 279051 ACACCAAACC CTCTTGCTC TGACAGGCT GGAATCTCAC CCCGTCCACC
 279101 TCTCTGAACA GTTCTCCCTG CCAGCTCAAG TGTCTTTTGA GATCTTGGGG
 279151 TCTCCTGCTG CTAGAATTCC AGAGTTGAT GGCAAGAGTG GGCCATTCTT
 279201 CACCTATTCA ACTCACCTT TCTCAGAGTC ACTGGGGCTA GGAATGAGTC
 279251 TTGGTTCTTG ACAGCCCCAC GCAGGGCTCC CAGCTTCTTC CCCTTACAGC
 279301 TAAGCATCTG GGTCTCCCT CTATCCACTC TCAATGCCTT CTCTCCAAAG
 279351 ATCTGCTTGG AGTGTCCAG TCTTCCAGT GTCCCCGTCT CTTGATGGGA
 279401 TATGTTCTCT TTGGCTGTGT CTAGGCAGCC ATTTTGGCTT GGGCCCTTGT
 279451 TTTTATCTC TAGCATTTCT TTTTGGTTCT GTCTTAGGAT TTAAGAAATC
 279501 CTAAGATTTC TTATGAAATG TGGTCTTTT TTAGGATTTA AGAAATCCTA
 279551 AGATTTCTGC TTATGTTGCC CATCTTTTGT TACATGCTAT CTACTTTATC
 279601 CATTAGAGTT AGCATAATCA TAGTTGTTTT AAATTCCCAG TCTGATAATT
 279651 TCAACATCCC TGCCTTGTCT TGTTCTGGTA CTTTGTCTCT TCAAAGTGTG
 279701 TTTTTTACCT TTAAATATGT CTTATAATTT TTGTTTTGAT AACCAAACAT
 279751 GTTACACTGA GTAAAACTC TGCTGTAAAT GGGCCTTTAG TAATGTTGCA
 279801 GTAAGTGTAG GGGGAGGAGA AGCATCTAC ACTCCTAGGA ATAAGTTCTC
 279851 TGCTTTTAAA TGTGTCTGTG CCTCTGGCTG TGAACCTTGT AAGCCTTTCT
 279901 CAGTCTCTCAG TTTCTCAGGG GCAAGATGGC TAAAGTGGGC TATAGTTGGG
 279951 GTATTTCCCT TCTCTCATGT TGAGTGGGCT AGAGCTGGTT ATTTTCTTCT
 280001 TTCCACATGG AAGGCTAGAA CTAAGTGGAG TTGGACATTT TCTTTCACCT
 280051 GGGCCAGTTA GGCTCTGATT AGTAGATTAG GCTCTGGTTA ACTAAGTTCT
 280101 CCTAAGAGCA AGGCTTGCTA AGAAGAACAG AGCGCACTGA CATAGTTCAA
 280151 AATGGTTCTT TCTCTTTTCC CCCTACTGGA AGCATGGAGA GCTGTTTCTC
 280201 CCATATTTAC TGGGATAACA TAGTCAAGCT CCTGGAGGTA TATCTCACTC
 280251 AATTATGGGG ACCCTGTATA ACTGGGTTTA CCTGGAGCTT TTAAGTTTCT
 280301 GATTTGTCCA CACTGAGCCT CCAGGAATTC ATCAGTTACA GTTCATGTTT

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280351 TCCTACCCCA GCACTGGTCC CCGCAATGGT TTCTACTTGT GAGTTTCCTC
280401 TGGTAAGCCA TGACTCCATG GATTTGCCTG CCTGTGTCTC CAATCTTGGG
280451 GGCAGAGGTT TGCCCTGTGT CCTCACCTCT CTAATGGATC CTAAAAGAGT
280501 TGTGTATTTT TTTAAACTC TGTTGAGCCT TTTACTTATT AGGAGGGAGT
280551 GATGCCTTCT AAGTGACTTT CATGGAAAAT GAGAACTAG AAGTCCTCCA
280601 CCTTCTTCG TATCCTGTAC CTCCTATTTT GGGATTAAAA ATAGCCTCCC
280651 AAGTTATATC AACTTTCAAG AAATATAAAC CAAACCCTCA ATAAACAAGT
280701 GTTAACTCTT GTTGCTTCA GTATCCTTTA CTGAGCCACT GCGTTTGCAG
280751 AGAATAGTGC TTAGTGCTAT AAAGTGGAGA GAGAAATAGA ATAGTCTTTG
280801 CCTTTGAGAG ACTGAAAGTC TATTTCAATT GAAAATATAT TTGTTCCCGA
280851 ACTTTTGTG AAAAGGATTT GAAAATCAAG TTGCCAGTTG ATGCATATGT
280901 GTAGCACATT TTGCTGAGCA GGGCTTAACT CATTAGAGTT ATCTGAGAGA
280951 CATTTATTTA ATCCCTTTT ACATAAAATG CAATATATAG TAAGGCTAAT
281001 AACAAAGTAA TATCTATAGA AAGTGAAGAT CAAAGGGGAG GTGAGGAAGT
281051 CAGTGTGCTG ACCATAGTTG TTGTGTGAAT ATATAGTTTG AGCTTCCAGG
281101 AAGCCAGGTC AAAAAGGGAA AACATGATAC AATTCCTAGT TCTCATTATC
281151 AAGAATGCAA ATGTGCTGCC AGTTCCTCAG GGAAGACAGA GCTTATCATG
281201 TGATGTTTTA TATAGAGCAT ATTGAGCACA GCAATATCTT CAATAGTTCT
281251 GCATGAAGTC CAGTGTGAAT TTTGTAAAGG CGGTTTCTTT GGTGACAAAA
281301 AGCTGTCTTA TAATGAAGTA AACTATGTAG CCTTCCAAGG GTCTAACGTT
281351 ATTCAGTGGT AAAATTTCAA GTACCTAGAG AATTTATAAT CTGTTGGTTT
281401 TAATTAAAAA TAAATGTTTG CTCTCACTT TTTAAATTA AAAATATGTG
281451 ACACCTGAAG AAGGAAAAAT AACTGAAGGC AGATTTTGAT TTAAATCTC
281501 AGAGGAATAA ATGACAGGAA TGCCCTTGGC TGATTTGATG AGTATGCTTC
281551 TCTACTGTCA TGCATTAATT AACTGTGTTT TGACTTTCTA TTTTATGGT
281601 CACCTCTTAA TCAAGGAGTG TTAAAGCACA ATTACTATTA TTGATATTCT
281651 AAGAAAGGCA AGATGCAGAA TAGCATCCAT TAGTAACCTA ACATGGAGCC
281701 TCATCAGTCT TTAGTAAGGG GTTCTGCTGG GTTGGTTTGC CTATTCCTTA
281751 GGCAGTAGAA TCTTACCCAT AATAGTCAAG AAAGTCTTAA TACAATAAAA
281801 CAGTTCTTAA CTCAGAATTG TCTAAAGCAG CTCAAGGATT TGTTGTGTGT
281851 AATCAACTTT AACTCTGGC ATGAGAATAA TTTATGAATG CAAAAATAGA
281901 TAAAAACAAA TTCTGATGGC TAAGTGAATG GGGGAGAGG ACAAGAGTAA
281951 GTGAACACAA TAAATTTACA CCCCTGTCTT TAAGAATTAG GAATTACCTT
282001 CTCCTGTAT GACTTCTCCC ATCTGGTCTA CATTTTTCTC TTCCTTATAT
282051 GGTACACATT TTGTTGATGG TCTTCTGCAT GTCCCATCT ACTCTGAAC
282101 AGGATAATCT ATTCTTTGTA ACAGAGTCTT TTTATAATT GCAAAAGTTT
282151 ATACCTGCAC CTCAGGATTC TCAAGACTCA ATTTAAGTGT AATTGCCATT
282201 GGATGATTTC TATAACCTGT GCATCATCTA ACGCAGCTGT CCCTGACTTT
282251 TTTGACACCA GGAAGTGGT TTGTGGAAGA CAATTTTCTC AAGGATTGGG
282301 TGGGGGTAGG GTGGGGGATG GTTTCAGGAT GAAATTGTTT TATCTCAGAC
282351 CACCAGGTAT TAGTTAGAAT CTCATAAGGA GCACGCAACC TAGATCCCTT
282401 GCATATGCAG TTCACCACAG AGTTTGTGTT CCTATGAGAA TCTAATGCTG
282451 CCACTGCTTT GACAGGAGGC AGAGCTCAGG TGGAATGCT CTCTCACCTG
282501 CTGCTCACCT CCTGCTGTGT GGCCCGGTTT CTAACAGGCC ATGGACTGGT
282551 ACTGGCCCGC GGCCTAAGGG TTGGGGACCC CTGCTCGAAC GCACTAGGTG
282601 AAATGCTTGG TGTTACTTAA TCCCCCAGA ATGCTTTCTG CTGTTTGTTT
282651 GGCCTGTATC ACTCTCTAAC TTTGGGATTC TTGTTGTCTG TGTAAGTGT
282701 CTAAGTCTG TGGTCCCTGG AAAGGCATTT TAAATTCAT TTTTCACATA
282751 CTCTTCTCTA ATTGAATCTT TGGGGGAAGA AACAAAGCAA CATAAGCTGG
282801 GCTCTGGCAT TATTATTGG ATTGTAAAA AAAGTAATCA TTGGCATAGA
282851 GTCATTTCTT AGTTGAAATC CAGGGTAAAA TGGATCTTCT ACTGTCAGAA
282901 GCATATATGT CTTAAACAAA CCTCCTCTCC TCCTACTTGC AGTAGCTCAG
282951 GAAGATGTTC TCATTAAACA CAAGTCCCAA ACAGTGATGT TTCATTACGT
283001 CTCAAAATTA CACCAAGATT CTTTATGAAC TGGAACATCT GGGTACAAGA
283051 AAAATGCTTT CTATTTTTTT TTTTGACAAT ATTATCTGCC GAAGTGAAG
283101 AATGGATGTT GAGTAAATTA AGGAAGTGGG TCTTTTGCCA GACAGCTGA
283151 AGAATTCTAT AAATAAAACT ACCCTTTTGT TCAGAAATAA GAGGGTAAAA
283201 CATTTTATTT TAAAAGGCAC TTGAGCTCAG GAGCTTGAGA TCAACCTAGA
283251 CAGCATAGCA AGAGTCATTC TTTACTAAAA TTAAAAGAC AAATTAATCA
283301 AGCTTGGTGG CACATGCCTG TAGTCCAGC TACTCAGGAG GCTGAGGCAG
283351 GAGGATCGGT TGAGCTTGAAG AGAGTGAAGC TGAGTAAGC TATGATCATG
283401 CCACTGCACT CCAGCCTGGG TGAGAGAATG AGACCATGTT TAAAAAATAA
283451 AAAAAAAAAA AAAAAAAAAA AAAAAACAA CCTGTAGATA TGATTACATG

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283501 ATTCCTTAT TGCATTTTTTC TATCGAAAAA AAAGACACAT GATTTAGACA
283551 GGATTCATTG GTTCACTGCC GATTCCTCAG CACAAAGTTC AGTGCTCAAT
283601 AAATAGCTGT TGGGTGAGTG AATAGATGAA TGAATGAAAT ATGAGGTCAT
283651 AAAAAGTATT TATTCTCTAT TGTACCCTTG AGTCTCCAAA AGTTTGCTCA
283701 CTAATTTATG ATAATTCAGA TATTTGATTA TCCTAAATGG ATTGTGATTA
283751 GGCTTAAGAA AAATGGGTTC TAGGGACAGT TTTCAGGTGC CCATAGGTTT
283801 GTTTCTCTG GACAAGATGC AAGGCTCCAG TGAGGAACTG GGTTTTAATG
283851 TGATGATTAA TACGAGGTGA TTACAGGAGA TACCTCATAG ACCTCAAAGA
283901 CTAATTTTCA GGATTAGATG CGAGATATTT TGTAGACAAC TTCCTGATG
283951 AACGACTTAG CTATTATCTT CTAAAGATTT TTATTTTAAA AATCCCTTGC
284001 ATCTCAATTT TTCTTCTTTG FTTCTTACTT TTAATTTATA CATGACAGAT
284051 ATACTTTCAA ACTTTAAAGT GAAAAGCGAT GTCAGAGGTG CTGATATTCA
284101 CACCTTTTGA GTGTCAGCTG CAGGGAGATG TGTTTCTTGG CTGCTTCTAA
284151 AACATCTGCA GAAAAAAAT ACAGTGTGTA TCTGCACAGA AGAATGACAA
284201 ATGCAGGAAA AGACAGGAGT CACACAGCAA CATTAAATGCA GCACCTTAGG
284251 CAGTTTGCAT CACCCAGACT GTGCCCTAAA ATGAAGGTGT TTCATTTTTT
284301 AAGCTGTGTG TGTCAATACC CTTGACGGGA TGTCTGAAAA TATGCAGCCT
284351 AGTAATTGCT TCTAGCTCCA CAGCATGAGC ATCATAGACC TCCTTCCTAA
284401 GCCATGGTTA GGAGAGAAGG AAATATCTAT TGACCCTGAT AGCTATTTTC
284451 CCCTCTCATA ACTCCCCTGT GGATTAGTGG GGTTCCTGGG ATCCCTCATC
284501 CTTTGCTTAA GTAAATATGT ACAGAATTAT ATCAGCTTTA GGAGATTTAG
284551 AAGCCCTGCA CTTTTTTTCA AAAAGTTTTT AAACCGATGC ATAATATTTA
284601 TACATATTTA TGGGATACAT GTGATATTTT GTTACCTGCA TTGAGTGTGT
284651 AATAAGTCAG GGTATTTAGG ATATCCATGA CCTAGAGCAT TTATCATTTT
284701 TATGTGTTGG GAACATTTCA AGTCCTCTCT TGTAGCTATT TTGAAATATA
284751 CAATACATTG TGGTTAACTA TAGTCACCCT ACTCTGCTGT CAAACATCAG
284801 AACTTACTCC TTCTATCTAC CTGTATATTT GTATCCATTA ACCAACCTTT
284851 GTTCACCCCC CTCAACCCC CACAAGAAAG CCCAAGACTT TTAAATCACT
284901 TCTGTGACTT ACTAGTCTCT TAGCTTTGGG CAAATTGCCT AAGTTTTCTG
284951 GGCTTCCTCT TCCTGCTCCA TTAAATGTAA AAGATCATTA ATGCTGCCTA
285001 CTCTCATTGG TTTATTATGA ACCTTGAATT AAATGCAACA AAGCAAATAG
285051 AAGCACCTTG TTGTATTCTG TGGTGTGGC TTAATATTGC TGAGTGAATA
285101 ATGTTAGAAA CATGGATGAT TGTGGAAGAG CAGAAGTGT ACAGAGTGTG
285151 CTAAGGCAGC TGACGTTTGC CGCTTGAAG TGAGACTTGA GAGCAGCACT
285201 GAAAGGAATA TGTTGAAGA GTATAGTTCT TGCAAATATT TGTTGTATGC
285251 AAATCAGTAA AATCTAGTGA TAAACATCCC AGAGAAGATA AAGATTTAGC
285301 AAAAAATTGA AACCACTGTC TGTTGTTTTA GAGAGCTGCT GAAAAATTCA
285351 ATGGAAGCCC ACAAAGCTA GAGATATTTG AATTTATTTT TGATTTGAAA
285401 TAACTGGTTG GGTAACGTAT CTTAGGAAAA TGTTAGAACC TGCCATAGTT
285451 ACCAGGTATA TATAGAAAAG CTCGGAAGGC AACCAGGCCA CAGTCACCCA
285501 AGAAGACATG GGTTTTGTCC ATAAATTTG AATTGTCCAA GAGAGGGCAT
285551 GTAAAGCCAA AATGGGGAAG GGTGGAGTTG GATGAGGATG TGTCAATGCC
285601 CTGAGATGTT AGGAGCACGG TTCTTTAAGT CAGGGAGACT TGGACTCCGA
285651 TTTTCTTGC CACTAAACAA TTTTATGATC TTGGGCAGGT TGCTTTACCT
285701 CTTCAAGGTT TAATTTAGTC ATCTATAAAA TGTGGATAAC AATGCCTGCT
285751 TTCCAGGGTT GAAATAATTA GATAACACGT TAAGTGATTA GCATAATGGA
285801 CTCATGGAAG GCCATGACCT TGGGGCAATG GGGGAGTGAG GGTGGGATAA
285851 TCATTGTAGA CATGAGCCCA TTTTACAGAT GAAACAAGTA TCTTCTAAGC
285901 TTCAACATAT GTACAGAGAA GACCTAGAAT CCAAATTTCC TGAGAAGTAG
285951 TCCAGGCAAT TTATGTATAG TGTGGGTACC AGGGTGAGTG TGGGCTCCAG
286001 GGCTCCTTCC TCTGAGGAAT CTATTCATAG CCTGAATCTG TTTCTTTAGA
286051 AGACACTTAA TATTTATTGA ATGGTCAGTC AACTCAGCCT CATAATTGTA
286101 CCTTCTACAT CTGTAACAAA CAGCACAAAC TCAAGTTGAT CCCTACTAAT
286151 CTAGAATAGG GCCAAGGGTG ATTCAGCCAA GTTTCAGAAC CCCTAAGATG
286201 CTCATGAGCA CCTGTTTCAG TAATAGTTCA AATAGGAAGG CTAAAAATTA
286251 GAGGTAAGGG AAGTAGACAA AAGTTTTTTT AAAAAGTTTT TTTTAGTTCA
286301 GGGGTACATG TGCAGCTTTG TTATACAGGT AAATCTCGTG CGGGGGGTTT
286351 GTTGTGTAGA TTATTTATC ACCCCAGGTA CTAAGCCTAC TACCCAATAA
286401 TAGTTATTTT TTCCACTCCT CTTCTCTCTC CCACCTCCA CTTCTAGTA
286451 GGCCCCAGCG TCTGTTGTTC CCCTCTTTGG GTCCATGTGT TCTCATCAT
286501 TAGCTTCCAC TTACAAGTGA GAACATGTGA CATTGGGTTT TCTATTACTG
286551 TGTTAGTTCA CTAAGGATTA TGGCCTCCAG CTCCATCTAT ATTGCTGCAA
286601 AGGACATGAT CTCACTTTTT ACAGCTGCAT AGTATTCCAT GGTGTATATG

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286651 TACCACATTT TCTTTATCCA TTCTACCATT GATCAGCATT GAGGTTGATT
286701 CCATGTCTGC TATTGTAAAT GGTGCTGCAG TGAATATACA CATGCATGTA
286751 TCTTTATGAT AGAATGATTT ATATTCTTTT GGTACATAC CCAGTAATGG
286801 TATCACTGGG TCGAATGGTA GTTCTATTTT AGCTTTTTGA GGAATCTCCA
286851 CACTGCTTTC CACAATGGTT AAACCTAATTT ACCTCCCACC AGCAGTGTGT
286901 AAGTGTCTC TTTTCTCTGC AACCTCACCA GGATCTGTTA TTTTTGACT
286951 TTATAATCAC AGCCATTCTG ACTGGTGTGA GATGCTATCT CATGATGGTT
287001 TTGATTTGCA TTTCTCTAAT GATCCATGAT CTTGAGTTTT TTTTCATATG
287051 TTTGTTGGCC ACACGTATAT CTTCTTCTGA AAAGTAAGAC ATAGGAAGTT
287101 TTCATATGT TATAGACAGA GCAACACATC TGAAAATGTT CATATTACCA
287151 TGTCTCCATG CAAAATTTTG CTGTTTTAAA CCAACACAAA CAAAACAATC
287201 TTAGGAATTT TCAAGAAGGG GACTTTTACAA CAAACACTGC TTTTACAACA
287251 GTAGCATTTT AGCGCAAAGT TGGGAATAACA GTTTTGCCCC ACAGGTTTAC
287301 ATATGAACCA AGTAGCATTT CAACATTGTG CGTTTTCCCTA ACAATAAATG
287351 AATTGGCAAT TTTTAAACT CATTTAAAG GTTTTCAAGT TAAGGTATAT
287401 TTTACTTTTCA GTACAATATA TTGGGAAATA GATGTCAGCT GCCAACTCAA
287451 TAATGCTGGC ATTTATTCTT GTAATGACAT CTAATTCTCT TTGTTTAACT
287501 ATACCCAGTA TTCTGATTGG TAATCTCCAG ATTCTTCTCC AGAAATATCT
287551 CATTGCTTTC TTCCAATTTA TCCATGGAGA AAAAGAGTGT GTGTGTGTGT
287601 GTGTGTGTGT CTTGCATTAA GGAAGTTGTA GAATACTGTA ACCACAATTT
287651 TGCACCACGT TACTGTTTAT CTTCTGTGCT GTTACAGCAT CGACAGCAGG
287701 AGCTGGAGGT GGAAACTCAT GGAACAACCA TCAAGAATAC TGTGTTCTCT
287751 TGTGCTCATT TCTGATGTT CACACAAGGA CCAGGTTGTT CCACCTGTAG
287801 CTGATTTAAT TCAAAATTGC ACAACAAATC TTTTGAGAAA ATCCTCTATG
287851 CTTAAGAATG TTACATATTG AAAAGGAATC CTACCCAGCC ATTCTCAACT
287901 TGTCATTAC CATGACATTC ACAGAACTG TAGGATAAGT CTTTTTCTCT
287951 TCCAGCTTTC CAATCTCTCT TTAGCACTTC CTATTGGCAG AGCCTACCTA
288001 GTAGGAAGCA GCTGGAAAGC TATAATAGGG TTGGCAGAGC CTTGGGCACA
288051 ACATCACAAG GTGGCATACA GAAGAGTGGG CTTGGAGCTG AGATAATAGC
288101 TGAAAACTG GCACAACCTG CTGCCCACC ACACACCAA AACATTCTTG
288151 GAGCATATCA TGCTTCTGTG TTTCTTGCTT CACCATGAAA CTTGAGCAAT
288201 TCCTTCAGCA TCATAGGTGG AAAACAGCCT TGACTTCAGT TGTCTGGGA
288251 CAAGCCTTTC TAAGCTCCCA TACTCATGTT TTTAAAATAT ATTTTATTAC
288301 ATTATTCACT CATTATTCAA TGCCAAATAT AGCAGACAAA CAAGCTCAA
288351 GTTAAATAGT TTAATAAGCA ACAACAAAT AACTTATAAA TTATCTTAAG
288401 GGATGGAAAT TACTGAGGAG CTTATTATAT TTTATTTTAC TTCTTTTATA
288451 TTGTACATAT TTAAGGTATA CAACATGATG TTTTGATACA TGTAACCTGA
288501 TATACACATA CGTAGTGAAG TAATTACTGT AGTCAAGCAA ATTAACATAT
288551 CCATCATCTC ATATAGTTTC TTTGTGTGTA TGTAATAAAA GTACCTAAAA
288601 TATACTATCT TGGCAAATTA CCAGTATACA ATATTTCTGA CTCTAGTCTT
288651 CATGTTGTAT ATTACATCTT TAGACTATTC ATCCTACCTG CAACTGTGTA
288701 TGCTTTGACT TACATCTTCC CATTTAATCC CTCCCCCAA CAGCCACCAT
288751 TCTATTCTCT GTTCTATGT GCTGTATGCA ATCTGTTTTT TTTTTTTAGA
288801 TTCCGATCAT GCAGTATTTT TCTTCTGTG TCTGGCTTAT TTCACTTAGC
288851 ACAATGTCCT CTAAGTTCAT CCACGCTGTC ACAAGTGGCA GGATCTCCTC
288901 TTTTTAAAGC TGAATAATAT TCCTGTGTGT GTGTGTGTGT GTGTGTGTGT
288951 GTGTATTCACT CCATCAGTAA ACACAGGTTG TTTCTATATC TTGCCATGCT
289001 TCTTTTTTTT TTTTCTTCAA CTTTAAAGTT CCGGGGTACA TGTGCAGGAT
289051 GTGCAGGTTT GTTACACAGG TAAACATGTG CCATGGTGGT TTGCTGCACA
289101 GATCATCCCA TCATCCAGGT ATTAAGCCCA GCATCCATTA GTTATTTTTC
289151 CTGATGCTAT CCCTCCCCCA CCAACCCCG ACAGGCCCA GTGTGTGTTG
289201 TTCCACCCCT GTGTCCATGT ATTCTCATTA TTCGGCTTCC ACTTGTAAGT
289251 GAGAACATGT GGTGTTTGGT TTTCTGTTCC TGTGTTAGTT TGCTGAGGAT
289301 AATAGCTTCC AACTCCATTC ATATCCCTGC AAAGGACATG ATTTCATTCC
289351 TTCTTATGGC TGCATAGTAT TCCATGGTGT ATATTTACCA CATTTTCTTT
289401 ATCCAGTCTG TTATTGATGG TATGCTTTTA TTTTITTAGT TATCAGTACA
289451 AAGGCATAAA TATTTTATG GCTTCTATA TATGGATATA CAAAGAAAAT
289501 TCTCAAAGG CTATTTGTTT TGTTTCATAC ACCAGGTAGA CAGACAGTAG
289551 TTCTGTGGTT ACTATAAACA TATGATTCAA ACAGCCTAAT TTTCTGAAAA
289601 AGGAAAAAAA CATTATGCCT ATCTTATTTT CTAATTAAAC AGAACTTTTT
289651 ATTTCAAATA AAAGCATGAA TCAAGCATAA AACAACTTAA TTGCTAATCA
289701 CTGTATTTTA AAATTATCCT TAATTAGAGA AAAATCTAAA GTGAATACTG
289751 CCATATTAGA AACTTTTCTT GTGTGTCCTT AATTGTATC TGTCACTCAT

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289801	AAAGCTAACC	CTGCATGCCT	GTTCCCCCTCC	CCAGCTTTAG	AGAAACACAC
289851	AGTTTTACTC	ACATTGAACC	TATTTCTCGA	ATGCAAGTGC	CATCATCCTA
289901	GGCATGACAC	AGAAGGTACA	TTTAACAGCT	TCACTGGGTG	ACAAAGTTCT
289951	TAAGACCTGT	GCTATTCTGA	GTGTTGTCCT	TTTGATTATA	TTTTGTAAAT
290001	GAGAATATAT	GCATTAACATA	GTTTTCTTAA	GGCTCCAAGC	CTGAGCTCCT
290051	GCGTGTATTT	TGATTATGTG	TGTTTTGTCT	TTTTTGTTTT	TCTTTGTTTT
290101	TGCTTTTTTT	GTGTATACTT	TAAAACAGT	ATCTTTATGT	CATCCTGTCC
290151	TTAGATGGAA	ACTGAGAGAG	GGAAAACCTA	GGCATGCCAG	CATCCAACAC
290201	TGTCTGGCTT	AGATCAGAGA	GGAAGAAAAT	ATTCTCTCTA	ACTTCAGCTT
290251	GCGAGTTTTT	TGAAGTTAGC	ATTTGTACTT	TCCTTGATTT	GCAAAAACCTG
290301	ATGGTAAAGA	AACTATTACA	CAGGAAGAAT	TAAATATAAA	AGCACCTGGT
290351	TCCAAAGCAT	ATAGGAACAA	TCCTAACTTT	CTGGGAATGT	AACACTTCAA
290401	AACTATTTTC	ATGTGGAACAT	GGAGAGTTTA	TAGAGGAGCT	TAAAAATGGC
290451	TTAAATTTTC	AAATGAAAGT	TGAGATGCTT	GCAAGCTTGG	ACTCAAACATA
290501	TTTTAATGCT	GGGCCTTTAG	GCAATAATTT	CCTTTTTGT	CATCTCATCC
290551	AATATAGAAA	ATAATGGGGT	GAGGCTTCCA	TCCTACCAGC	TGCAGTTTGT
290601	GGGACCCCTC	AGGACTGAAG	CTAAGGCAAG	CAATTGCCAC	TTAAACCTAG
290651	GACAGTGTCA	GCAGCACCAG	ATATTATGTG	AATCAAGGAA	ATGTTGAAGG
290701	ACTCTGTGAC	AGAGCTTTAG	AGATGAAACG	ATAAAATTTT	GACCTGATTC
290751	CTCAATAAGG	GTTCCTGCCA	GAGTGAAAAA	CTAAGCATTG	GTATGAGTGC
290801	AGCAGCTGTT	TGGTCTGGT	GCTGGTTTCA	GCACAGGTTG	CAACTGATGG
290851	GTGAAGCAGT	AGTGATACAC	TGCTCCCACT	CATTGCTTTC	ATCCCCCTGG
290901	TACATTPTCA	GGAGNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
290951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
291001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
291051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNAGA	AAGAAATGCA	GAATCTTAGG
291101	CCCTACTGCA	GACCTCATTT	TTAAACAAGT	TCCCCAGATG	AGAAAATCAT
291151	ATCCAAACTG	TCCGTCCTCC	TCAGTATGTC	TGACTTGCTC	CACTCTGCAG
291201	ATTTCCATGT	ATTTCCCAACA	GTCTGCTTCC	AACTTAAGCC	CATTTCTCTG
291251	TTTCTTCAGA	TTCTTCACTG	TCCTTCAGTC	TAATTTTTCC	TCTATCTCTT
291301	CTCCCATTTAG	ATAAAATACT	AAGTAGAAT	GATGGGAAG	AAGGAGGAA
291351	GAGGGGAAG	AGGGAAGTAA	GGGAAGAAAA	ATTGAAGGAA	GGTGAAGAGG
291401	AAGAAGAGGT	GGGAAGGGAG	ATAGGGAAGG	AGGGAGAAAA	ACCTACTTCA
291451	GTTGTGCCAT	AGTATCATTG	GCGTTCCTGA	GCTCTATTTT	AATCCCCAAC
291501	AAATACATAA	ACACAAATAT	ATCCCATTTA	TTATTTCCAT	TTTAAATATG
291551	AGCAGTTACT	TTCATACAGA	AGAGAATGTT	AATTAGTGTG	ATAATTTGGA
291601	GAGCAATTTG	GCAACGTCCT	TTCAAATTTT	TTAAGTGAAA	ATTCCTTTTA
291651	ATTCAGCAAA	TTTCAGAATT	TATGCTATAT	AAATACTTGT	ATAAATGCAC
291701	AAAAACATAT	ATCAAAGGTA	TATACTTACA	GAATTTTTTT	AATAACAAAA
291751	AGCTATAAAT	AGCCTAAAAG	TATCAATAAG	AGTTGTTTTG	GAAAGTCAAC
291801	ATATATCTCT	GCAAATGCAT	ACTGTCCTGG	CATTAAAAAG	AAGTGAGAAA
291851	GATCTGCACA	CGCTTGTGTG	GTGAGCTCTC	TAGAGTATAT	TGTTAACCGA
291901	GAAAAGGAAG	ATGCAGAAC	ATAGGCATAT	ATGATCTCAT	CCATATGTCA
291951	TGTTTGTAGT	TGCGTGTGTA	CATGTGTATA	TATATATATA	TATATTTATA
292001	AAACAGTTGA	TAATTTTATA	TATTTATATC	CAATGGCATA	TTCTATAGCC
292051	ATTACAAAAA	CTATTTTGGT	AGAAATTTGA	ATAACTTAGG	ACATTTCTGG
292101	TGATGTAATG	CTAATTGAAC	TAATGTAAGC	AGGACATTAA	TATCATTTTT
292151	TATTTTTTGAC	CCACCTTTCT	TGAGCATTTT	CCAATATGAT	TAAATATTCC
292201	AAAAACATCA	TTAATTTCTC	TATAATATAA	TATTGTACTC	TTGGGTTTTT
292251	GGGTGCTTTT	CAGTTTTTCA	ACTCATATAT	AATGTTGACA	TAAACTTTTT
292301	TTTACCTAAT	GCTATTTTCA	AATTTACAGC	TAAAGATAAA	ATCTTGTAAT
292351	TACTAGTTCA	TAGATGTGAC	CTTTTATTAT	AATTACTAGT	TCACAGGATT
292401	CTTACTTATT	GCCAAATTGA	TTTCCATACT	CCACAAAGAT	TTTTAATATA
292451	ATCAATTTTT	TCTAATGTGA	CTTGTTATTA	AAAGTCATTT	ATTTAACAAA
292501	CTTTTACATT	TGAAAGAAAA	TACTTATPAA	TGCCCTACTG	GTGCTAAGCT
292551	CCCTTGGCAT	TCACTAGGCA	CATCATTACA	AATAAGCATG	ATCTCTACTT
292601	TACTACTCAA	AGTGTGATAT	TGGGCTGGTA	TGGGAAAAAC	AGACATTGAA
292651	ACACACAATT	ACACTGTGAT	GCAGTTCAGG	CTGTATAGTA	ATTATGCCCA
292701	GAGTGCCATA	GAGACTCAGC	ATGCTTATAG	TATGATTGTA	ATAATTAACC
292751	AAAAAGGGAC	TACTTTGCTT	TGAAATATTC	AAATACTCTC	CCACCTTCCA
292801	ACTAGAGGTG	TGGTAAGTTG	GTGGTGGGTC	TGTAGGGGAA	ATATCTTCTC
292851	TTCTTACTCC	TATCAGAGTT	TACCTGACTC	TGACAAGGAA	GTAGAAAAAG
292901	AACCTGCCCC	AATTTTTGGT	GTCAAAGTCT	AGCACCATTT	ATATCTACCT

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292951	TTCTTTACAC	CATGCAAAAA	ATAAATCTCC	TTCAAGGACA	CATACATTCA
293001	TCCTGAATCT	ATAACTGAAC	CTTACTTTCT	AATACACTAT	TCTTTATGGT
293051	GGCTTAGAAT	ACAAAGATGG	TTATCTAGCC	TCTGAAAACA	TTTTTTT'TTA
293101	ATTTCATAAA	AACAAGTCTC	CAAGTAAAAT	AAACAATGCA	GCCTCCAGAA
293151	ACAGCACTTT	CTATTTTTTC	AATATTTCTT	GTCAAGAAAT	TCTAAACTAA
293201	AAATTTCTAA	TTAATCTGAA	CTGTATGAAA	TTGCCCATAT	TGTGACTTGT
293251	TTTAACCTGT	AAAAATGGCA	ATTCATATA	GCTCAACATA	AAACCTGTGA
293301	TTTAATTCTT	TTTTTTCTTC	CCCAGGATTG	CCCATATGTT	AGATCTTATC
293351	AAACTGTTT	TACAACAAAT	AATTTCTGCA	GTACCTTCCC	CAGATACAAA
293401	GAAAAATAAA	GAAAAATTAA	ATTATTAACA	CAGGTTTATG	CTTGGTTGTC
293451	ACTTTCTAGT	CAGATCATCA	GTAAAAATAA	ATTAGAATGT	AGTAGTACCC
293501	AAATTAAGAA	GAAAATGGTT	TCTCGCTTAG	TTAGACAAAG	AAATTTCTAG
293551	CCAATGCAGA	ATTAGAAGTC	AGGAGTAAAT	TGGGACAAGG	AGATCCGACA
293601	AACTACCAAA	CAAACTGTGA	TCATAATCT	CCATCTCATG	CAAGGCTGGT
293651	GTTCTCCTCT	TAAGACATAG	AACAGTAGAC	TAATTAATAC	TAACAATGTG
293701	TTAAAAATCA	AAACTATTAT	TAATGCAAAT	CTGTCTCCA	GAGATGGGGA
293751	AGAGGAGGGA	GAGAGAGAGA	GAGAGAGAAG	GAAAGACAGC	TGTAGCCTGA
293801	AATTGATGGT	AACTCCTTCT	ACAGTAGCCT	TACCAGATTT	AAACTCATAT
293851	TGTAAAAAAG	AAAGCTTAGT	ATTTCAGTAG	TAGGAGCTGT	ATGGGAAACA
293901	ATGCCTCCCA	GCTTAGAAG	CTGCGCTGAT	CCTATAAGAA	TGTCAGAATT
293951	CTATGTCAAT	GCTAGTTCAT	AAGGCAATCC	CATTTACAAT	AGCGAGACAA
294001	AAAAATAAAT	ACCTGGAAT	ATATCTAACA	GAGGAGGTGA	AATATCTCTA
294051	CAGAGAGAAC	TACAAAACAC	TGCTAAGAAA	TCATAGATGA	CACAAACAAA
294101	TACAAAAACA	TTCCATATTC	ATGAATTGGG	AGAATCAATA	TGTTTAAAT
294151	GGCAATACTA	CCCAAGACAA	TCTACAGATT	CAATGCTATT	TCTCATAAAT
294201	GACCAACAGA	ATTTTTTCAC	AAAATTAGGA	AAAAACTATT	ATAAAATTCA
294251	CATTGAACTA	AAAAAGAGCC	CAAAATAGCCA	AAGCAATCCT	AAGCAAAAAG
294301	AACAAAGCTG	GAGGCATCAC	ATTACCCGGC	TTCAAAGTGT	ACTATAAGGC
294351	TACAGTAACC	AAAACAGCAT	GATACTGGTA	CAAAAACAGA	CACATAGACC
294401	AATGGAACAG	AATAGAGAAC	CCAGAAATAA	GCCTCACACC	TACAGCTGTC
294451	TAATTTTTGA	CAAGTCTTTC	CAAAAATAAG	CAATGGGGAA	AGGACTCCCT
294501	ATTCAAATAA	TGGTGTCTGG	ATAGCTGGCT	AGCCATAGGC	AGAAGAATAA
294551	AACAGGATCC	CTACCTTTTA	CCATATATAA	AAATTAACTA	AAGATGGATT
294601	AAAGATTTAA	ATGTAAGACC	TCAAAGTGT	AGAATTCTAG	AAGAAAACCT
294651	AGGAAACACC	ATTCTGGACA	TCAGCCTTGG	GAATAATAT	ATGAATAAGT
294701	TCTCAAAGC	AATTTCCAACA	CAAGCAAAAA	CTGGACAAGT	GGAACCTAAT
294751	TAAATGAAAA	AGCTTCTGCA	CAGCCAAAAG	AACATCAAC	AGAGTAAACA
294801	GACAACTTAC	AGAATGGGAG	AAAATTATTG	CAAACTATGT	AATAAAGGTC
294851	TAGTATCCAG	AATCTTTAAG	GAGCTTAAAT	AATTAAGCAA	AAAACCAAAT
294901	AACCCCATTT	AAAAAATGGG	CAAGACATGG	ACACCTCTGA	AAAGAAGACA
294951	TACAAGTGGC	CAAGAAACAT	GAAAACATGC	TCAACATCAC	TAAATATCAG
295001	AGAAATGGAA	ATCAAAAACA	CAATGAGATA	CCATCTCAG	TCAGTCAGAA
295051	TGGCTATTAT	CAAAAAATCA	AAAAACAACA	GATGCTATAG	AGGCTGCAGA
295101	GAAAAGCTAA	GGTTTATACA	CTGTTGGTGG	GAATGTAAAT	TAGTTGACCC
295151	ACTGTGGAAA	GCAGCTTGGA	GATTTCTTAA	AGAATTTAAA	ACAGGAATAC
295201	CATTTGACCT	AGCAATCCCA	TTACTGAGTA	TATATCTAAA	AGAAAACAAA
295251	GTGTTCAACC	AAAAAGACAC	ATGCACATGT	ATGTTTCATG	CAGCACTATT
295301	CACAATAGCA	AAGACATGGA	ATCAACCTGA	GTGCTCATCA	GTGGGGGACT
295351	GGATAAAGAA	AATGTGGTAA	ATATACACCA	TGGAATATGC	TGCAGCCATA
295401	AAAAAGAAAT	TAATCATGTC	CTTTGCAGCA	ACATGATGTC	AGCTGGAGAC
295451	CATTATTCTA	AGCAAATTAT	TGTAGGAACA	GAAACCAGAT	ACCACATGTT
295501	GTCACCTATA	GGCAATGAAG	ACCACTAGAG	GAGGGAGGAA	GAGAAGGGGA
295551	AAGTGTGGAA	AAACTGTTGA	GTACTATGCT	TGCTATCTGG	GTGATCGGGC
295601	CATTTCATAT	CCAAACCTCA	GCATCACACA	ATATACAGTA	TACCCATGTA
295651	ACAAACCTGC	ACATGTATGC	ATGCCCCCAA	ATCTAAAAAT	AAGTTGCAAT
295701	TATATTTTTA	AAAAGCTAGT	TCATAGTTGT	AACTACTTTC	TAGAGTCTTG
295751	CTACTATAAA	TGTAATCACT	GCTCAACATC	ACTAATCATC	AGAGAAATGC
295801	AAACCAGAGC	CTGTGTTTCT	CGAACTCTAA	TGTGTATATG	AAGAACTTGG
295851	GGTCTCATT	AATGCAGATT	GTGATTAGTA	GGTCTGAGGA	GGGGTGAGAG
295901	ATTCTGCATG	TCTAAGCAGC	TCACATGTGA	TGCAATGCTG	CTGGTGGGAT
295951	CACGTTTCCT	TGAGGCTTCA	GCAGAGCATC	CTTGTGATGC	CTTTGGCTCC
296001	TCTTTTCTAA	ATTGTCACTG	TGACCCTGTG	GGTCACATAC	TGAGCACTGA
296051	TGAAGAGGCC	CCCGCTCCCC	TTCATTGTCC	TTGCTCTCTC	CTTGTTTGAA

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296101 TCTTTCCTTC TGTAATATGG GATTAACAAA CCCATGTAGA GAGTCCACTG
296151 AATGGCAGAA CCTTAGACTT TCCAGTTAGA GGAAACTTTG GAGATTATAT
296201 GATCTAACTT GTTCCCCTCT CCCCTGCATC ACATCTTATG TCTGAAAGCC
296251 CATGCCTGAG ATCCTACTCA CTGAGTGTGC AGTTGTTATT CTCATCTCAT
296301 TCCATCAGAC CTAAGAAAGC TTGGCAGAAT AAGGGCCTCT TGCAAATGTT
296351 TTCAAATACG TGAAGTAGC TAGGACAAAC AAACAAACCA TTGCTCAAAA
296401 ATCACTCAGC AAACCCACC TTAACGAGGA ATTTTCTCTT TTGGCTTCAG
296451 AAAGCAATTA AAAAATCAG CATTTCTAGG CAAAAGCTT TAGCAGTTCC
296501 CCTCTGTGTT TTTCTCACC CAGCAGGTGC TAAAGCACAG CTCAGTCTTG
296551 ATTCATCCCT TCTGTCAAGA GCAGGTGTCA GCCTCAATTA TTGTTTTCGA
296601 AATTCATTTT CATCATTTAA TGCAATTTCT GTAAATGAG GTATCGATTTC
296651 CCCAATCTCA GCTGTTTTTC CTGAAGCCTA TACTACCTTG GCCTTCCTGG
296701 TCTCTTCTTA TCTATCTCCA TTCTACCTGT CTCCTTCCCC CATCTTCCTC
296751 TCTTCTGGA ATGCATGTCA CATTTCCGGC CAGTGTCTTA TAATAAACCC
296801 ATTTGTAGTT GCCAAAGGAG AGGCATAATA AAGGCATTGT ATGAATATGT
296851 TTGAATGAGA AATTCGTGAA AATCAATTTT TATTTATGGT GAAACACTTA
296901 ACTTGATAG AATATGATAT AAATCAAATG TAACTATGCC TCTGGAGGCA
296951 CTATGAAAAA GGGAGTGTTC TAGTTTCATG AATTTGCTTT TGTTCGTGTG
297001 ATATTGCTGT AGCACCATTT TTAAAGTCCT CTTCTTAATG AGTGTCTCTA
297051 GCCAGTAAAT TTCACACCTC ATGTGTGTGA AGACAATTA TTGTGCAAAAC
297101 CAAGGCACTT TTGAGAGTAG ATTGGGCAGC CATTGGTTAT TGTGCTTCTG
297151 TGTCAGGCAT GCACTGGGAC TGTCTCAGTA AACGGCTACA CATGGCCATC
297201 CTAATTACAG CAGTTTGGG ATGAAGGACT CAGTGACAGT GTGGTATTTG
297251 GAGGTGAATC TGTGAAGAA AAAAAGCATG AAACATAATT AAACAGGCAA
297301 GGAAGGCTTT ATTCAAGACT ACTGCAGCAG GGGAGAGATT AATCTTGACT
297351 CTGGTTGCAG CAGGACAGC TGGGGATTTA TGGCCAATGG GCATGGCGAA
297401 GGGGTCACTG GATAGGAAAT TACTAAGAGA ATTTGGTTAG GTATTAGGGG
297451 TCGGGGGATT CTTGCTGAGC TGGGCTCTGC CGGCCAGGAC CAGGCCTAGT
297501 CAAGAAGAGC CCTCAGAGGA ACATGATTAA GGTTTGGTCA AGGAAAGAGT
297551 CCTTGTGAA ACTCACCAAA TGAATGCAG ATTTTAAAT TCACTCTTAA
297601 CTAAGGAAGC TGAATAGTTT CCCAGTCATG GGAATCATC CTTGCTCTGA
297651 GAAATCTTTC CAACTTTATG CTCTATTTTC TCCTTTGTGA TTTTAAAAA
297701 ATTGTCCTTT GTAAATCTAG TTATCTAGT TATGCTTGGT AAAGAAATCT
297751 ATTTTATCTT CTGATCTTTG CTCTACTTTC AGTAAAGCTG TGGTGAAATT
297801 GACTCTTCAA AAATGAAAAA AAGTGTGGCT TGAATTGATA AAGGAAGCAC
297851 AATTGTAATT CATTGAGGAA GGACTTCATC AAGTGGGCTA TGTTCATG
297901 CACATGTTT AGTGAGCCTT AGAGAACAGA AGGGAAAGCA AGGGGCTTAT
297951 TTTTATGGTT TGTACACATG TCCATCACAG TGGAGGCTCA ATGAAGGTAT
298001 CTGCTTCCCC CGATAGCCCA GTGCTCACTA CTAGACAACCT CCTTCCCCCT
298051 CTGAGCATTG GTTTTCTTGT CCATAAAATG AAGGTGTTCTG ATTAGGTGAG
298101 CTCCTTGGA CTTTACAGGG ATTTAAAAA ATTCTGTAAT TCTGATTTTT
298151 AAAATTACTT TGTCCCTCTC TGGATTGTGC TCCAATATTA TAAATATACC
298201 TCTTGAGGCC ATTCTAAAGG ATTGAATATG AGCAATGGTA AATCAATCTG
298251 AAAATAATGA CTTAATGTAG AACCTGTGTC TGAAGGCTC AGTATATTTT
298301 GTGGTTTATG ATACAACACA TCCAAGGAGA TGTATGCAAG AATGTTCCAG
298351 CAGATTTATT AATAAAGCA TGTGTGTTGG GGGAGGGGGA TCAGCAGAGG
298401 AATAGCAACA ACCTGAAATG TACTTCAGCA GGAGAATGAA TACAGAAATA
298451 ATGATGGAAT GACTCACAGT GAAAGTCAGC TATAGAATCA AAGGGCATAA
298501 ATTTCAACAA TTTTGAGCAA AAACAAGAAA TAACTTATAC CATTTACTTA
298551 AAGTGTAAG ACATACAAAA CAGTACTACT ACTCATTTCT AAGGGGTACA
298601 TACTTGTGTA TATATAGTAA AAGTATTTTT TTAATCTTGT GTGGTGATAA
298651 ACACCAGGCT CAGAATAGAG GTTCCCTCTG CGGGTGGGAA GGGAGTATGA
298701 TTTGGGAGGG GAATTCATGG AGCTTCAGCT GTATTTGCTA ATGTTTTATT
298751 TCTTAAACTG GGAGTTAGAT ATATATGTAT TCACTGTATT ATACTTTATA
298801 TCTTTTCTTA TGTCTTAAAA TATAACAACC TTATGATAAA GTTGGGATAA
298851 TCATAAAAA AGATTGCATA CATTTGTTTG CAAATTAGGA ACAGTCACCA
298901 TAATTTAGTG GTAGCAAAGC TAATGTGAAT TTGAAATCTT CTTACTACCT
298951 GTCCTGCAAT TACAATGTAC AAACATCAAA AAACAAAACA AAACCTCCAG
299001 TGTACACACT GGTGAAAGAA CCACTAGTCA GATACCAGTC TCGAGTTGTT
299051 ACTACTTAAT TGCTATTGTT ATTTATTTAA AATTTATACT GTGTGAGAAA
299101 AGTGTTTATG AAAACATACA GTTAGCTAAA AAGTTGTGAT TGGATGCCAG
299151 ATTGATAAAT GAGCAGTTTA CTCTGCAAAT AAGTGCAAAC TCAGCTATGA
299201 GCTTTCAGGT GGTCTAGACA ACAAGAGAAA CCTGCCTACT AGTTTCTTAG

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299251	TAGACAACCT	TATGATAAAG	TTGGAATTGT	CATGAAAAGA	CATTGCACAC
299301	ATTTGTTTGT	TTGTAGATTA	GAAACAGAAG	CTCTAATCTA	CAACTCTCAG
299351	TAGGAGAGCT	GGATTTTCT	TGGCTCTAAA	TTTTGGGGAA	GAATTAATCA
299401	CAAGAATCCT	TATGTAATGG	GTACTGAGGC	ATTTTGAGTG	GTGCTTCTGT
299451	TGATTTGCTC	TTGGCTGCAG	CTCCTTGCTA	TTCATCCATT	TCACACAGCA
299501	CCGAGATGA	TCGTGCTGTA	ACAGAATTCA	AATCATATCA	ACCCCTCCGA
299551	GGCTTCCCAT	TGCACCCATG	GCAAAGTCAA	GGCCCTTAC	CTGACCTCCA
299601	GGCTCCCTGC	TCCTGCCTGA	CCATCTCACC	TTGTCTCTTA	CCATTCTTCT
299651	CCTCTTAATT	AGGCTCCACC	CACCACAGTT	GGTGACTCTT	CTTCAGAGCT
299701	TATGAGAGCT	GGGCATATCC	TCTTCTCTCA	TTTAGGAATG	CCCTTCTCCC
299751	AAGTCTTGCG	TTGTATGACT	CATCTTTATG	ATTCAAGTTT	CCATTCAAAT
299801	GACATTCTCG	GTCACACCC	TCAAAGAGGC	TTTTCTTAAT	GAGCAAAAGT
299851	AGCCTACCA	CCACCACCTA	TACTAGCCCT	AAACCCAAAG	CAAGAGGGGT
299901	GCTCTGGGCC	CTGTGCTGTA	GAGGGGTACC	CTCCAGCCAC	ATCCCTTCCC
299951	ATGAAGCAG	AAGTCCATGG	AGCAAAGGGG	ACTTACACAC	CCAGAGCTTG
300001	CGTCTCCTCT	GCTAGGTCAT	GCTCTGTGCT	GTGGCTTGAA	TGTGACCCCT
300051	TCAAATTTCA	TATGGAAACT	TAATCTTCAT	TGAGGTAGTA	TTAAGAGATG
300101	AGATTTTGGG	AAAGTGATTA	AGTCATGAGG	GCAGAGCCCT	CAGGAATGGA
300151	TTAATACCTT	TACAAAAGAG	GTCTCAGAGA	GATAATTGCC	CCCTTTTGCC
300201	CGTCTAAGCT	TTCTTCCCCT	CAGAGGACA	GACAAAAAAA	GTGCCATCTT
300251	GGAAGCAGAG	GGAGCAGCTC	CCACCAGACA	GCAAATCTGC	TAGCACCTTG
300301	ACCTGGACCT	TGGACTTCCC	AGCCTCCAGA	ACTCTGAGAA	ATAAATTCTA
300351	ATATTTATAA	ATTACCTCTT	CCATAGTATT	TAAGCAGCAC	AAGCAAACCTA
300401	AGATGCCCTG	CTTACCTGGG	ATTCCACAAG	TCTCTGCCCA	GATGGCCCCA
300451	AGCCCATTTT	TACAGTCTGT	GAGCCTCTGC	CTTGGTTCCC	TTTGTCTGTA
300501	TTGTCAGTTT	GCAGACCCCT	GGGAAGCCCA	ACGGGTGGTCA	CACAGTGGCT
300551	GTTTGCAGAA	GGTATGGATA	AATATTAGAC	ATAAGGGCTG	CAGTATCATA
300601	TGTGTACAAG	AACTTCCTCT	CAATGGGAGT	TGGAGCCAGG	CTGAGAAGAG
300651	ACGGGCACAG	GCCAGGAGAC	AGGGATCAGG	GACCCAAGGG	CTGGCTTGCA
300701	CAGCCCTTCC	ACATCCCAGT	GCAGAACTGT	GAGGAGTCTG	AGAATCCTGA
300751	GTGCAACTTT	GTTCTTCCAG	GTGTTTGAAA	AGTTGATTTG	TCAAGCTAAG
300801	AGGGTAGATC	ATATTTTATT	AAACAGTTTG	TTAGCTTTGAT	TCACACTCTT
300851	TATTTATACA	TATGTGGATC	TCCATTTATA	CTCTTGCCGC	CTCTCAGAAA
300901	CGTTAGCAGC	AGGCCTGGCT	TCCTCTGCAT	TTGAGTCACT	CCAGAAGATG
300951	GTGGTTCAAA	TTCCAGGGCC	TGGTGGTTAA	AAAAAAAAAA	AAAAAAGGG
301001	GCGGGGTCTG	TGCCAAATCT	CTTTTCTGAC	ACCCACCTTC	TTGGGGATTG
301051	CAGACTTTCT	TCTCAAAAGT	CTGTTCTCTA	CTCTCTCTCC	TATTTCCCTG
301101	TTTTTATTTT	GTAGCACTGA	AAAAAATCTA	AAATACCTT	ATTTGTTTAC
301151	TTGTTTAATA	TGAGGTCTGT	GAGGTGAGAG	GCTTGTGGCT	ACATCTGCAG
301201	CATGTGGCAC	ATACTAAGTG	CTCATTAATA	ATGTGCTTAT	AGCCAAGCAT
301251	GGTGCCCTCAT	GCCTGTACTT	CTAGTGATTT	GGGGGGCCAG	CATGAGAAGA
301301	CTGCTTGAGG	CTAGGAGTTT	GAGACCAGCG	TGGGAAACAT	AGCAAGACAC
301351	CCTTGTCTCT	ACAGAAATTT	TTTTTTAATG	AGCTGGGTTG	TGTTGGTGTA
301401	TTCTGTAGT	CCCAGCTATT	CTACAGACTG	AGGTGGGAGG	ATCACTTAAG
301451	CCTGGGAGGT	CGAGGTTGCA	GCTATGATTG	CACCACTGCA	CTCCAGCCAG
301501	GGTGACAGAG	CAAGACCCCTG	TTTCTAAAAA	TAATATAAAT	AAATAAATAA
301551	ATAAATAATT	GCTGAATGTG	TCATGACAGG	AATATTGTTT	TAAAAAATTT
301601	GCTAAATGAA	TGACTTAGGT	GCTATTTTGT	GCCAGGACTA	TGCAGGGTAC
301651	AAAGATAACT	CAGAAAGGTC	CTCTGCCTTC	AAGGGTGCCT	AAGCCTAGTT
301701	GGGGAGCAAT	CTTGAACAAC	ACAGTCTTCT	GCCTTTAGTT	TTACTACTTCT
301751	GACATCATTA	ATGAATCTGG	AAACAAAAAT	ATATATGTAG	CCATTATTGT
301801	AGCACTTCCG	GGCAGACAAA	CAATTTGCAA	GGTAAATAAG	CTGCAGGGAA
301851	AGGGAAACAT	ACTTTCTGTT	AGTTTCTCTA	AAGGTTTAGG	GATAAGAGAG
301901	CTTTTAAACT	TGATGACCCA	TCAGAAATGG	GGAAAGTGCT	TTTTTCTCCT
301951	CTCCCTGAAG	ATAAATTGCT	TGTTTTTCTA	GGAGTGGGGG	AACATGTTAA
302001	ACGTTTCTCT	CTGTTAAGCT	AAAATACATG	TTAGAACAGG	AGGCTAAAT
302051	CTCCTTAGCT	GCTGCTGTCT	GCCTTATTTA	ACTTACATGG	CAGACGGTGG
302101	CATCTGCTGA	ACAACACTGT	GTTGGCTGCT	TATCTCCTCC	AAGGAGTTGA
302151	GGGACTCTGG	AGTCGTCTCT	AGAGGACTCC	ATGGGCAGCA	GGGCAGCTGG
302201	GGCTTCCAGC	AGCTCTGGGC	AGACTTCATT	TTCACTCCAG	ATGGCCTGGG
302251	TGTGCAAAGT	GTGAAAAGAAG	ACAGGCAGTA	ACACTGTCCC	TTCTGCATAT
302301	AATCCCTTTT	TAAAAATTTA	TTAAGGCTTG	TGTCTAGTCA	CCCGAAATAA
302351	TAAGAGGTCA	TTTTTATCTA	AAGATGATTG	TGCAGGCCCC	ATAAAGCCAA

302401 TGCATTTGAA ATAATGATGA ATATATCATA AGAAATACTG AAAACTGTAC
302451 TTGTTTGGAG TTTTATCTTG AAAACAGCA GCTAAAAACC ATAAAAGTGA
302501 TTTTAGAGTT TATAAAATTA GGCTATAACT TTACTATGTG CTAATTCCTA
302551 GAATACTAGG GATGCATATA TTTTTTAATA AAATTGTATG ACATCACCAT
302601 ATTCCTTCCT ATTTGACTTT CAAGACATCT ACTCATTCAT CCAACAAATA
302651 TTTATTGACT AATTACTATG CACCAAGCAC TGTTCATGGC AGTGGGATCA
302701 GTCAAAAAAA AAAAAAGAAA ATATTTTTCG TGTTCATG GACCTTATAT
302751 TCTAATGGGT GATAAATCAT AAAATATTAG GGAAGAGCAG ATCATGCTGG
302801 AAAGTAGCAA ATACTAAGAA GAAAATACAA AAGCAGAGAT GGTGAATAAG
302851 TAGTACAGAA TATTGGTAAA GACTACAGTT TAAAGAGGGT GGTGAGAATA
302901 TGTCTCTCTG AAGAAGATGAC ATGAGGGAAA AGATTGAAG GTGATGAGGA
302951 GAGAAACATA TGAATATCCA GAGAAAGAGC ATTCTAGTTA GAGGGAACAT
303001 CAAGTGCAAA TGTCTGGAG CAGGATGTGC CTAATGCGTT CAAAGAAGAG
303051 CAAGGAGCCA GTGCAGCCGG AATGGAGGGA GTGAGGGGAG GAAGGTAGGC
303101 AATCTGGAGA GATATGATTG GATATTGTAT ACCACTGGAA AGACCTTTAC
303151 TCTGAGATGA AGAGTCCAAT AGAGTTTGA GCAGGGAAGT GAAAGTAGGC
303201 TTACCGTGGC TGCTGAGCTG ACAATAGACT GTAGAGTAGT GAGGGTAGAA
303251 GCAGGAAACG AATCGAGTGG CTCCTGAAAG AATCAGGTGG GAGACAGAGT
303301 AGTAGTGGAA ATGGTGAGAA GTGTTGGGAT CCTAGTTACA TTTTAAAAAT
303351 GGAGCTGATA GGGCTTACTA ATTGATCTGA TTATGAAAGG AACTGGACTA
303401 CTAGAATGTG AGAGAAAGAG AGGAATCAAA GATAACTCAG GTTTTGGACC
303451 TGAAAGGAA CTGAGATAAA CAGAAATGGG GAAGACTGAA TAGTATTAAG
303501 ATATTTTAGA GGAAGAGCA GGAATTTGAC AGGGCACAAT AATTCTAAGA
303551 TTATTACCTA CTAGACATCC ACACAGAAGT GTCAAGTAGG TAGCTGAATA
303601 CATGAGTCTG GAGTTTAGGA GAGAAGTGAC AAGTGCATAT TTGAGAACCA
303651 ACAGTTTAAG GGAGGATTTA AAGTCATGAA ACTAGATGAC CCACCTTGGG
303701 AGAGAATGTG GATAGAGGAC AGAAGAAGTC TAGGGATCAG GGAGATATGG
303751 AGGAACAAGC ATAGTCAAAT CAGAGAAGAT CATTTTGGGG AAAATATTGG
303801 AGGACCTTGT TAAGTTTCTT GGAGTCTTCT TCCAATTTCC TAAATTTAA
303851 ATCATCCTAT TTGAAGAGTC TGTCATCATT GTTACTGATT TTTTCAGTTT
303901 TTGGTGATTG ACCTAATGCT CAGATCCTTT CTTATCAATG ACAGCACAAG
303951 ATTCCAACAT GGTTTTCTTC ACATAGTCCA TTTTGTGTTG CTGTAACAGA
304001 ACACCACAAT CTGAGTAATT TATAAAGAAA ATAAATTTGT TTCTCACAGT
304051 TCTGGAGGCT GGAAGTCAA ATATCAAGGT GCCAGCATCT GGTAAAGGCC
304101 ATCTTGCTAC ATCATCCCAT GGCAGAAGTC GGAAGGGCAA GAGAGAGGGG
304151 AAAAGAGAGA AGGAAGGGGG GGGGGCAAAA TCATCCTTTT ATCAGGAACC
304201 CACTCCTACA ATAACTAACC ACTCCATAA TAACAGCATT AATCCATTCA
304251 TAAGGCAGAG CCCTCAAGAC CAAATTACTT CTTACAGGTC CCACCTCTTA
304301 ACACGTCTGC AATGGGAATT AAGTTTCCAA CACATGAACC TTGGGGGACA
304351 CATTTCATGCA CTATGTGACA TCCTGCATCT GCAAGTTTGT CAGTGCCATT
304401 TTAATGAAGT CAGTTTACTT TGCACTTGCA CTTTGTGTTT ACCCTGTCAC
304451 AGCTCACCGG TAACAGAACT CTTAGTGTGA TGGACAGAGA TAGAACTAG
304501 CATTACAGAA AGAGGCAGTT TTCAGGGTGG ACTAATTTTA TACACAACCA
304551 TTTATCAGTA GATATTTTGA AGTTCTGATG CTTTAAAAAT CCTTGTAAT
304601 TTGGGGGCTT GAGTAATGAA TATTAGATGA TAATGACCTT CCGGGTATCC
304651 ATTAAACCAT TAGCAATGTC TCCAGTTTGT TAAGAATTAA TAGATATTAA
304701 AAATCAGAAG GAGGGCAGCC AAGATGGCCG AATAGGAACA GCTCTGGTCT
304751 ACACCTCCCA GCGTGAGCGA CGCAGAATAC GGGTGATTTT TGCATTTCCA
304801 TCTGAGGTAC CAGGTTTCAT TCACTAGGGA GTGCCAGACA GTGGGCGCAG
304851 GACAGTGGGT GCAGCGCACC GTGCGTGAGC CGAAGCAGGG CGAGCAAGGC
304901 ATTGCCTCAC TCGGGAAGCG CAAGGGGTCA GGGAGTTCCC TTTCCTAGTC
304951 AAAGAAAGGG GTGACAGACG GCACCTGGAA AATCGGGTCA CTCCCACCCT
305001 AATACTGCGC TTTTCCGACG GGCTTAAAAA ACGGTGCACT AGGAGATTAT
305051 ATCCCACAAC TGGCTCGGAG GGTCTACAA CCACAGAGTC TCGCTGATTG
305101 CTAGCACAGC GGTCTGAGAT CAACTGCAA GGCGGCAGCG AGGCTGGGGG
305151 AGGGGCGCCT GCCATTGCCG AGGCTTGCTT AGGTAAACAA AGCAGCCGGG
305201 AAGCTTGAGC TGGGTGAGC CCACCACAGC TCAAGGAGGC CTGCCTGCCT
305251 CTGTAGGCTC CACCTCTGGG GGCAGGGCAC AGACAAACAA AAAGACAGCA
305301 GTAACCTCTG CAGAATTAAA CGTCCCGGTC TGACAGCTTT GAAGAGAGCA
305351 GTGGTTCTCC CAGCATGCAG CTGGAGATCT GAGAACGGGC AGACTGCCTC
305401 CTCAAGTGGG TCCCAGACCC CTGACCCCTG AGCAACCTAA CTGGGAGGCA
305451 CCCCCAGTA GGGGCACACT GACACCTCAC ATGGCCAGGT ACTCCTCTGA
305501 GACAAAACCT CCAGAGGAAC GATCAGACAG CAGCATTCGT GGTTCACGAA

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305551 AATCCGCTGT TCTGCAGCCA CCGCTGCTGT TACCCAGGCA AACAGGGTCT
305601 GGAGTGGACC TCTAGCAAAC TCCAACAGAC CTGCAGCTGA GGGTCCTGTC
305651 TGTTAGAAGG AAAACTAACA AACAGAAAGG ACATCCACAC CAAAAACCCA
305701 TGTGTACATC ACCATCATCA AAGACCAAAA GTAGATAAAA CCACAAAGAT
305751 GGGGAAAAAA CAGAGCAGAA AAAGTGGAAA CTCTAAAAAA CAGAGCGCCT
305801 CTCCTCCTCC AAAGGAACGC AGTTCCTCAC CAGCAACGGA ACAAAGCTGG
305851 ATGGAGAATG ACTTTGACGA GCTGAGAGAA GAAGGCTTCA GATGATCAAA
305901 ATACTCCGAG CTACAGGAGG AAATTCAAAC CAAAGGCAAA GAAGTTGAAA
305951 ACTTTGAAAA AAATTTAGAC GAATGTATAA CTAGAATAAC CAATACAGAG
306001 AAGTGCTTAA AGGAGCTGAT GGAGCTGAAA GCCAAGGCTC GAGAACTGCG
306051 TGAAGAATGC AAGAGCCTCA GGAGCCGATG CAATCGACTG GAAGAAAGGG
306101 TATCAGTGAT GGAAGACTAA ATGAATGAAA CGAAGCGAGA AGGGAAGTTT
306151 AGAGAAAAAA GAATAAAAAG AAATGAACAA AGCCTCCAAG AAATATGGGA
306201 CTATGTGAAA AGACCAAATC TACGTCTGAT TGGTGTACCT GAAAGTGACG
306251 GGGAGAATGG AACCAAGTTG GAAAACACTC TGCAGGATAT TATCCAAGAG
306301 AACTTCCCCA ATCTAGCAAG GCAGGCCAAC CTTGAGATTG AGGAAATACA
306351 GAGAACACCA CAAAGATACT CCTCAAGAAG AGCAACTCCA AGACACATAA
306401 TTGTCAGATT CACCAAAGTT GAAATGAAGG AAAAAATGTT AAGGGCAGCC
306451 AGAGAGAAAG GTCGGGTAC CCACAAAGGG AAGCCCATCA GACTACCAGC
306501 GGATCTCTCG GCAGAACTC TACAAGCCAG AAGAGAGTGG GGGCCAATAT
306551 TCAACATTCT TAAAGAAAAG AATTTTCAAC CCAGAATTTT ATATCCAGCC
306601 AAACCAAGCT TCATAAGTGG AGGAGAAATA AAATACTTTA CAGACAAGCA
306651 AATGCTGAGA GATTTTGTCA CCACCAGGCC TGCCCTAAAA GAGCTCCTGA
306701 AGGAAGCACT AAACATGGAA AGGAACAACC GGTACCAGCC ACTGCAAAAT
306751 CATGCCAAAA TGTAAGACC ATCGAGGCTA GGAAGAACT GCATCAACTA
306801 ACGAGCAAAA TCACCAGCTA ACATCATAAT GACAGGATCA AATTACACA
306851 TAACAATATT AACTTTAAAT GTAAATGGAC TAAATGCTCC AATTAAGAAG
306901 CACAGACTGG CAAATTGGAT AAAGAGTCAA GACCCATCAG TGTGCTGTAT
306951 TCAGGAAACC CATCTCATGT GCTGAGACAC ACATAGGCTC AAAATAAAAG
307001 GATGGAGGAA GATCTAGCAA GCAAAATGGAG AACAAAAGAA GGCAGGGGTT
307051 GCAATCCTAG TCTCTGATAA AACAGACTTT AAACCAACAA AGATCAAAAG
307101 AGACCAAGAA GGCCATTACA TAATGGTAAA GGGATCAATT CAACAAGAAA
307151 AGCTAACTAT CCTAAATGTA TATGCATCCA ATACAGGAGC ACCCAGATTG
307201 ATAAAGCAAG TCCTGAGTGA CCTACAGAGA GACTTAGACT CCCACACAAT
307251 AATAATGGGA GACTTTAACA CCCCCTGTC AACATTAGAC AGATCAATGA
307301 GACAGAAAGT TAACAAGGAT ATCCAGGAAT TGAAGTCTG TCTGCACCAA
307351 GTGGACCTAA TAGACATCTA CAGAACTCTC CATCCCAAT CAACAGAATA
307401 TACATTTTTT TCAGCACCAC ACCACACCTA TTCCAAAATT GACCACATAG
307451 TTGGAAGTAA AGCTCTCCTC AGCAAATGTA AAAGAACAGA AATTATAACA
307501 ACTGTCTCTC AGACCACAGT GCAATCAAAC TAGATCTCAG CATTAGAAAA
307551 CTCCTCCTCA ACTGCTCAAC TACATGGAAA CTGAACAACC TGCTCCTGAA
307601 TGACTACTGG GTACATAATG AAATGAAGGC AGAAATAAAG ATGTTCTTTG
307651 AAACCAATGA GAACAAAGAC ACAACATACC AGAATCTCTG GGACACATTC
307701 AAAGCAGTGT GTAGAGGGA ATTTATAGCA CTAAATGCCC ACAAGAGAAA
307751 GCAGGAAAGA TCCAAAATTG ACACCCTAAC ATCACAATTA AAAGAACTAG
307801 AAAAGCAAGA GCAACACAT TCAAAGCTA GCAGAAGGCA AGAAATAACT
307851 AAAATCAGAG CAGAACTGAA GGAATAGAG ACACAAAAAA CCTTCAAAA
307901 AATTAATGAA TCCAGGAGCT GGTTTTTTTG AAAGGATCAA CAAAATTGAT
307951 AGACCGCTAG CAAGATTAAT AAAGAAAAAA AGGGAGAAGA ATCAAATAGA
308001 CACAATACAA AATGATAAAG GGGATATCAC CACTGATCCC ACAGAAATAC
308051 AAATTACCAT CAGAGAATAC TACAAACACC TCTACGCAA TAACTAGAA
308101 AATCTAGAAG AAATGGATAA ATTCCTTGAC CCATACACCT TCCAAGACT
308151 AAACCAGGAA GAAGTTCAAT CTCTGAATAG ACCAATAACA GGATCTGAAA
308201 TTGTGGCAAT AATCAATAAC TTACCAACCA AAAAGAGTCC GGGACCAGAT
308251 GGATTCACAG CCGAATTCTA CCAGAGGTAC AAGGAGGAAC TGGTGCCATT
308301 CCTTCTGAAA CTATTCCAAT CAATAGAAAA AGAGGGAATC CTCCTAACT
308351 CATTTTATGA GGCCAGCATC ATCCTGATAC CAAAGCCTGG CAGAGACACA
308401 ACCAAAAAAG AGAATTTAAG ACCAATATCC TTGATGAACA TTGATGCAAA
308451 AATCCTCAAT AAAATACTGG CAAACCAAAT CCAGCAGCAC ATCAAAAAGC
308501 TTATCCACCA TGATCAAGTG GGCTCATCCC TGGGATGCAA GGCTGGTTCA
308551 ATATATGCAA ATCAATAAAT GTAATCCAGC ATATAAATGG AACCAAAGAC
308601 AAAAACACCA TGATTATCTC AATAGATGCA GAAAAGGCTT TTGACAAAAT
308651 TCAACAACCT TCATGCTAAA AACTCTCAAT AAATTAGGTA TTGATGGGAC

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308701 ATATCTCAAA ATAATAAGAG CTATCTATGA CAAACTCACA GCCAATATCA
308751 TACTGAATGG GCAAAACTTG GAAGCATTC CTTTGAAAAC TGGCACAAGC
308801 CAGGGATGCC CTCTCTCACC ACTCCTATTC AACATAGTGT TGGACGTTCT
308851 GGCCAGGGCA ATTAGGCAGC AGAAGGAAAT AAAGGGTATT CAATTAGGAA
308901 AAGAAGAAGT CAAATTGTCC CTGTTTGCAG ATGACATGAT TGTATATCTA
308951 GAAAACCCCA CTGTCTCAGC CCAAAATCTC CTTAAGCTGA TAAGCAACTT
309001 CAGCAAAGTC TCAGGATAGA AAATCAATGT GCAAAATCA CAAGCATTCT
309051 TATACATCAA TAACAGACAA ACAGAGAGCC AAATCATGAG TGAACTCCCA
309101 TTCACAATTG CTTCAAAGAG AATAAAATAC CTAGGAATCC AACTTACAAG
309151 GGATGTGAAG GACCTCTTCA AGGAGAACTA CAAACCACTG CTCAATGAAA
309201 TAAAGAGGGA TACAAAGAAA TGGAAGAAC TCCATGCTC ATGGGTAGGA
309251 AGAATCAATA TCATGAAAAC GGCCATGCTG CCCAAGGCAA TTTATAGATT
309301 CAATGCCATC CCCATCAAGC TACCAATGAC TTTCTTCACA GAATTGGAAA
309351 AAATACTTTT AAAGTTCATA TGGAACCAA AAAGAGCCCG CATCACCAAG
309401 TCAATCCTAA GCCAAAAGAA CAAAGCTGGA GGCATCACGC TACCTGACTT
309451 CAACTATAC TACAAGGTTA CAGTAACCAA AACAGCATGG TACTGGTACC
309501 AAACAGAGAT ATAGATCAAT GGAACAGAAC AGAGCCCTCA GAAATAACGC
309551 CGCATTCTTA CAACTATCTG ATCTTTGACA AACCTGAGAA AAACAAGCAA
309601 TGGAGAAAGA ATTCCCTATT TCATAAATGG TGCTGGGAAA ACTGGCTAGC
309651 CATATATAGA AAGCCGAAAC TGGATCCCTT CCTTACACCT TATACAAAAA
309701 TTAATTCAAG ATGGTTTAAA GACTTAAACA TTAGACCTGA AACCATAAAA
309751 ACCCTAGAAG AAAACCTAGG TATTACCATT CAGGACATAG GCGTGGGCAA
309801 GCACTTCATG TCTAAAACAC CAAAAGCAAT GGCAACAAAA GCCAAAATTG
309851 ACAATGGGA TCTCATTAATA CTAAAGAGCT TCTGCACAGC AAAAGAAACT
309901 ACTATCAGAG TGAACAGGCA ACCTACAAAA TAGGAGAAAA TTTTCGCAAC
309951 TTACTCATTT GACAAAGGGC TAATATCCAG AATCTACAAT GAACTCAAAC
310001 AAATTTACAA GAAAAAACA ACCGCATCAA AAAGTGGGTG AAGGCATGA
310051 ACAGACACTT CTCAAAAGAA GACATTTATG CAGCCAAAAG ACACATGTAA
310101 AAATGCTCAT CATCACTGGC CATCAGAGAA ATGCAATCA AAACCACAAT
310151 GAGATACCAT CTCACACCG TTAGAATGGC AATCATTAATA AAGTCAGGAA
310201 ACAACAGGTG CTGGAGAGGA TGTGGAGAAA TAGGAACACT TTTTACTGT
310251 TGGTGGGACT GTAAACTAGT TCAACCATTG TGGAAGTCAG TGTGGCAATT
310301 CCTCAGGCAT CTAGAACTAG AAATACCATT TGACCCAGCC ATCCCATTAC
310351 TGGGTATATA CCCAAAGGAC TATAAATCAT GCTGCTATAA AGACACATGC
310401 ACACGTATGT TTATTGTGGC ACTATTCACA ATAGCAAAGA CTTGGAACCC
310451 ACTCAAATGT CCAACAATGA TAGACTGGAT TAAGAAAATG TGGCACATAT
310501 ACACCATGGA ATACTATGCA GCCATAAAAA ATGATGAGTT CATGTCCTTT
310551 GTAGGGACAT GGTGAAATTT GGAAATCATC ATTCTCAGTA AACTATCGCA
310601 ACGACAAAAC ACCAAACACC GCATGTTCTC ACTCATAGGT GGGAAATTGAA
310651 CAATGAGAAC ACATGGACAC AGGAAGGGGA ACATCACACT CTGGGGACTG
310701 TTGTGGGGTG GGGGGAGTGG GGAGGGATAG CATTAGGAGC TATACCTAAT
310751 GCTAAATGAC GAGTTAATGG GTGCAGCACA CCAGCATGGC ACATGTATAC
310801 ATATGTAACT AACCTGCACA TTGTGCACAT GTACCCTAAA ACTTAAAGTA
310851 TAATAATAAT AAAATTTAAA ATAATAAATA AATAAAAAATA AATAAAAAATA
310901 AAAATCAGCT TAGAAATTGT TCCAGAAGTT AATGTCTTCA TTTATAAAGG
310951 AAGACAGTGA CTGGCCTACA GAACTGAGTG ACTAGACTGC ACAGCTAGCT
311001 AGGAGCAAAG CCTGAATGAG AATCAATCTG AACCCCCCCT CCATGTAGTG
311051 CCATTTAGTG GTTAAGATAC TTAACATCTG TGCCTCAGTT TCTTCAACTG
311101 TGAAACAGGA GTTATATCGC ATACCTCATA TGATTGTGTA AATAACACAT
311151 TAAAAAATAG ATATCAAGTG CTTGGCATAA ATTTTTTTTC TTTTTTTTGT
311201 AAACGGAGTC TTGCTCTGTC ACCCAGGCTG GAGGGCAGTG GCGTGATCTC
311251 AGGTCACTGC AGTGGCACGA TCTTGGCTCA CTGCAGCCTC CACCTCCTGG
311301 GTTCAAGCAA TTTTCCTGCC TCAGCCTCCC GAGTAGCTGG GACTACAGGC
311351 ACACGCCGCC ATGCCCGGCT TATTTTGTGA TTTTGTAGTAG AGACGGGGTT
311401 TCACCATATT GGCCAGGATG GTCTTGATCT CCTGCCCTCG TGATCCACTG
311451 GCCTCGGCCT CCCAAGTGT TGGAATTACA GGCAAGAGCC ACGGCGCCCA
311501 GCTGGTTTTT TTTTTTTTTT TTTTTTTTTT AATACTAAGT CTGGCAAGGA
311551 TATGGAGCAA CTAAGACTGT CATACACTGC TGGTGGGAAT GCAAAATGGA
311601 ACATCTGCTT TGGAAAACAG TTGAGTGGTT TCTTCACACT TGATCTTCAC
311651 CAAACGGCTG AGAAGCAATA AGCAGTTTCT TATAAAGTTA AATATACACT
311701 TACCATACAA CCCAGAAATT CCACTCCTAG GTATTTATCC AAGTCAAGTG
311751 AAAATATATG TCCACACAAA AACCTACATA TGAATACATA TAGCAACTTT
311801 ATTCACAATC TTCAAAAACCT AGGAACAACC CAAATATTGG TCAGCTATGA

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311851 ATGGATAAAC CAACTGCAGC ACATCCGTAC AGTGAAACAC TGATCAGCAA
311901 TAAAAGGAAC AAATTATAAT ACACACAGCA GTTTAGATGA ATCTCAAAGA
311951 TGCTATGTTA ATTGAAAGGC ACCAGTTCTT TAAAAGCTGC ATTCTGAATG
312001 ATTCATTCA TATGACATTG TGGAAAAGGC AAAACTGAAG GAACAAAAAC
312051 AGGTCAGTTA TCACCAAGGG GTGGAGGGAG GACTTGGTTA CAAAAGGATA
312101 TGAGGGAATT CTGGAGTGTG ATGAAATTGC TCTGTATCTC AGTTGAGGTG
312151 TGAGTTAGAT GGCTGAATGA GTTTATCCAA ACTCATAGAG CTGTACATTC
312201 AAAAGAAGAA ATTTTGTTAT ATATATTTT TTATCAATTT AAAAAATATA
312251 TAAAAAATAA AAGAGGGAAT CCCAAAGATG AAATAAAAAA AAAACATTCC
312301 TGGGACTTAA CAGACTCTTT GAAAAACAAG TTTTCTTCTA TTTTCCCCTC
312351 CTTTCCCTGA AGAAGATTGG CTCATGATTG AAAGCCCTTA AAAAGAATTT
312401 GCTTACTCAG ATATTATTTT TAAAAGGAGT GAAATTCATG ACTCACAAG
312451 TGTCTATTTT CTCTGGCTT TTAAGTCATT TTTTACTTCA TTTTTCAC
312501 AAATAATTAT CGATCACCTA TAAGCAAAGA ATGTCTTCCT GAGCTCTCAC
312551 TTATAATTGA ACATTTAGAG CTGAAGGAAT CCTTAGAAAT CAGTTAGTCT
312601 ACATTGCAGA TGAAGTAACT GAGGCTCTGA AAAGTGAAG TCACTCACC
312651 AGTGCCACCC AGAAAGTTGG TGGCAGAATC CCAGCCAGCA CTTAGAGTGT
312701 CTAACGGGGC TTGGTCTTT TCACTGTGCT CATCTTTGCA GCCCCTGAAC
312751 CTTATCCTAA GAAGCTAACA GCTGCTTTGA GAAGTGATTT CTTCAGCTGT
312801 GTGAATGTAC CCTTCACTGG TGGGATTTAT AAAGTGTGAT GGTGGGGGTA
312851 CAGGGAAATA TTTGGGACAA AGCATTGTAT TCTGAGCTTC TGGAACTCA
312901 CTTACAAGC TGCTTCCCT CCCTAAGAGG AGTCCTTGTT TCTTACAGTA
312951 AACAGGAACA GGAACAGATT GCATGGAAGA ATCATTAGTA GGCACCTGGA
313001 AGTGGCAAGA TCCCTCTCCT GTTACTATCA AAGCTTTGTT TTTACCCAAG
313051 AGCAGTAAGA ACCTTCTTGA ACTGGTGTAG GTGGAGCTCT CTAATAATAC
313101 CCCAAGATAA TGAAAGACAC TACTCTGAA GTCATCCTT AGGCTAATAC
313151 ATAAAAGGAT GGATGACCAG AGGGTAAGAG CTGGTAAATC CCAAAGCGT
313201 GAGCAATGCA AATTGAGGGA CATTCTAGCA TCCAGATCAT TGAAGGAAAC
313251 TAAAGAGACA TGACAAGTAA ATGGAACCTA TGATTATTTT GAATGCTTTG
313301 TTATCAGGCA GTGTTATTGG ACAATTGGGG GAAATCTGAA TGTTTCCATA
313351 TACAAGATAA CAGAATCAGA TCTATTAATG TGAATTCCTT GATTCTGGTG
313401 GCAGTTTTGT GGTATGTAG AAGTGTTTTT ATTTGTACAA AATACACACA
313451 AAGTATGAGT GGGGGACATT GGGGTAGCAA CTTATTCTCA AAAGACTCAG
313501 GGACAAAATA GTTCTTTATA CTATTCCTGT AACTTTTCTG TAAGTATGGG
313551 ATTCAAAATT AAAATAATAT TTAATAATAT AGGACATTTT AGATATTATC
313601 CTTATAAAAC TAAGCAGCTA TGGCTGTATT CTTTAGAGCC CTTATTAGAT
313651 AGAGATAAAT AATTAGAGGG TACACAGCAT AGTCTATAAT TGATGGGCAA
313701 ATAAGTAGAT GTGATAAAAT GTATTTTTTT ATAAATGAAA GGTAAGCACA
313751 GGAAGAGGTA ATAAAGGAAT TTGGAGGATG AGAGATTGAG TTTGGAGGAA
313801 ATGGGCAGGG GAGAGAAGAA GAGCTTTCTT GGTGTTAAT AGTTTTTCAT
313851 CAGCAAGGGA GTCAGCCAAA CACGTATTCT GGATGTGACC CCAAGCAGTT
313901 CAAATTTTGG AACATTAGGG AACCTTCTCT CAGGACTCCT GTGTCAAGGG
313951 ACCATTATCC AGCCCAACGA GCACTGTCTT GAGAGTCCTG AAACCTGGAC
314001 TCTAGTCCCC TATTTGTCCC CAACTGCCAA TTCAATCTTG GGCAAAACAA
314051 CCTGTAAATG AAGTATTTGG ACTAAAATGA TGTTTGACAA TCCCTAAAAA
314101 ACTTAAAAGG CTTTTGTTTC TTGAAGAAAA TGATAAAATT TAGAAAGGAA
314151 ATGCACCATA GAAAGAAATA GAAAACAATG AAAATATAAA TTCTTTTAT
314201 TTGAGATACC CAGCTAACTA AAGGAATAGT TCCTGCCACC CCATGTCCCT
314251 CTCTTTGAAA AAGGAAACAT AGGAACTCTT TTAATTTGAA CAGCACAGAG
314301 AATACTGCCC TCCCTTCTCA CATCTTAGAT AACAGCAAGA GAGTCTCTT
314351 AAATTGAATT TCTATTTATG AATCTAAAAA TTCAATGCA TCATTGCAGA
314401 ATATAGTGTG TTTTCCAAAT ATCAGAATAA ATTTACACGG CAATATTCCA
314451 AGACTAGAAC ACCTATAGCT TTTCTGTCAG CCTAAAATGA GTTTGTTTAT
314501 GGAATGACTG ATTTTGTTTT TGACCCGTAA TTTATTTAGA ATGTATTATT
314551 TTAATTTTAA CTCACATGTG TAAATGTTTA ATCTTTATTT TTATTACAGA
314601 TTTCTAACAA TTTTATTGT GGTGAGACAC TAGATTTTAT ATGAAACCAA
314651 TTATTGACGA TTTATTGAGG GTTAAATTGT CTAGCACATG GTCAGTTTTT
314701 GCAATGTGTA CATGAGAGCC TGGGAAGAAT GTCTTGCTCT ATGTGTATCT
314751 ATTAAGTTCA GCTTATTAAG TATGTTATTC AGATATTTTC TATCATTACT
314801 AATATTTTGA ATGCTTCACT TATCAATAAC TGAGCAAGGT ATATTAAAT
314851 CCAGCATTGT GAGAATATAT CTGACAGTTT CTCTTTGTAG TCCTCTATGT
314901 ATTTTGATTG TGTTTTATTA GATGCATGCT CATTTAGAAT TCTTTTTTTC
314951 TTCTTTGTGA ATTGAATTAT TATGTAGTGA CTTTCTTTAT CTCTAATAAT

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315001 GCTTTTTTAA CTAAAATGT ATTTTATCA TATTAATATG GCTACCCCTAG
315051 ATTTCTTTTG GTTATTATTT GCCTGGTAGC TTTGTCAAAA ATTATTTTAC
315101 TTTCAATCTT TCAATGCCAT CATGTTATGG GTATATTTCT TGTAACAACA
315151 CCTAGCTGGA TTTTGTTTTT TAGTCAGTGA GTCTAGTCCA TTACATTTTA
315201 TTATAATTAT GAATGATGGT GGGTATTTAA GTCACAATTA AAATAATCCT
315251 TTTAGAAATG GTTTTAAACA GTATATTAAA CCAACATTTG CACTCAGGAT
315301 CCTGCCCAGA GTGAAGTGA AAAGAGGGAA GTGCCATTGA CAGAAAGAGG
315351 CCTCAAGGC ACGTGCTCTA TCTGGGCACG CTGCAGGCTA TGGAGGCCTC
315401 TACCAGTTCA CCTGCCTGCT TCTGGAGAGA GAGCTGTCTT GTCTTTGCCC
315451 ACCTGATTCA GAGACAGCCA TTTGAAACAC TACACATGGA GAATTTTAAA
315501 CCTCTTTCTG TAAAATGTAT CCTTAATGAA GATTCCGGAT GCTTGTAGC
315551 ACCAAATGAT TGTGAAATG ACGATATTAA AGGTAAAATA CATTGTACCA
315601 TTCCATTCTT GCAGTGACTC ACACATATTT GATGTGCAGG GATTCTTAC
315651 ATTCACAAAA ATCATTTTCA GGGTTTCCTT AAACATATGCC TGTGTCTCT
315701 TAAGGCTTTC TGGTAAACCA GGTTTTCATG ATTATTTCTA AGAAATTACA
315751 TGTTTTTCAC TCCCAGTGTG TCACTAGTCT CCTGGTGTCT TTTTTTTTTT
315801 TTTCAAATTC ATCCAGAGAA GTTAAAAAAT CTAAAATAGT ATCTTAACCA
315851 AGATAGAGCT ACAAATTTGT TTGAGGCTTC CAGTTTAAACA GAAATAGGAT
315901 TGCTATGCAA TTCACCACTG AGAAAGCAAC AATAACGTAC ATGATAGTAA
315951 ATAATACCTA GCATGATAAG AGGTGTGTGT GTGTGTATAT GTATGCATGT
316001 ATGCTGTGTG ATGAAATCCC CACTTAAATA TAAGAAACCG AAGACATAGA
316051 AAATTTAAGT ATTTTACTCC ATTCCGATAC TATAACAAAA TACTTCAGGC
316101 TGGCCAATTT ATACACAATA GGAATTTTAT GATAAATGAC TTTTACCTCA
316151 ATTTTTTAAAA AAGAAAAAAT ATATGTATAC AAAGAAGTGA CCAGGGGAAT
316201 TGGCCATATG AAAGTCATTG ATACCATAGT GAGAGTAGTT TCAGGGAAAA
316251 AGAGAGGGCC AAGACTCAAG AGGAGTGGAT TCAGAAAGAG TGTGCAGTAA
316301 AAAAGCAACA AACATAACTC TTTCAAGAAG TTTTGTGGG AATAGAGATC
316351 AAAGTGATGG GTTGAGAAGG GGATGAGCCT TGGGGGATGT GGAGGTTAAA
316401 GGAGGTTTTA TTGTTTAGGA AAAGATATAG CAGGTCATGT GTGTACCCTA
316451 ACAGGAATGA TCTAGTAGAG GTAGAAAGTG ATTGTGAGGT AAAGAGAGAA
316501 GATGACTGCA GGAGGGAATG TCACTGTGAT GGTGACAGAG GCCAGGATCC
316551 AGAGCACTCA GGTAGAGTTT TGTCTTTGAT AGGAGCAGGG AGGATCCCTT
316601 AATTAGGCAC AGAAGAGGAG GCCAAGTATA TAGTTACTGA TCCAAATAAG
316651 TGGGCAGTTT GAATACTGGG AAAATGGAAT GTTTATGTGA TTGTTTTGGT
316701 TTTCCATTTC AGAAAAACAG TGAAGTCATT GGCTGAGAAC TAGGGTGAGG
316751 GTCCAACCTT ACATTCTCCT TCCACACTGC CCTAGTAGAG TATCTCTGTG
316801 AGGGCTTCAC CCCAGCAGCA GGCTTCTGTC TGAACACCAG GCTTTTGCCT
316851 ACATTCTCTG AAACCTAGGA AGATGCTTCC AAGCCACTTT CACTCTTGCA
316901 TTCTGTGCAC CTGCAGGCTT AACACCATGT AGAAGCTGCC AGAGCTTATG
316951 GCTTGCACCC TCTGGAGCTC TGGCCTAAGC TGGACCTCTT TGAACCAAGG
317001 CTGAAACCAG AGCAGCTGGG ATGTGAGGAG CAGTGTCCCG AGGCTGTGCA
317051 GGGCAGTGGG TCCCTGAGCC TGGCTCCTGA ACCCATTCTT CCCTCCTAGG
317101 CCTCTGGGCC TGTCATGGGA GGGGCTGCCA TGAATATCAC TGAATGCCT
317151 TTGAGGCTC TTCTCTATTG TCTGGATATT TACACTTAAC CCACTTTTAG
317201 GTATGCAAAAT ATCTCTAGCA GGTGGTTGCT CCATAGCCTG CTTGAATTTT
317251 TCTCCCCCAA AAAAGCTTTT TCTTTCTTTG TCACATGGCT AGGCTGCAAA
317301 TTTTCCAAAC TTTTATGCTA TCCTTCCCTT TTAATATATA ATTCCAAATT
317351 TTGTCAATTC TTTGCTCCAA TATCTGGACA TAGGTTGTTA GAAGCAGCCA
317401 GGACACATCT TGAAGGCTTT GCTGCTTAGA AATTTCTTCC ACCAGATACC
317451 CTCAATCATC ACTTTGAAGT TCAAACTTCC ACAGATCCCT AGGGCATAGA
317501 CAGAATGCAG CTAAGCTCTT TGGTAAGGCA TAACACCTGT GACCTTTGCT
317551 CCAGTTCCCA ATAAGTTCCT CATTTCCATC TGACACCTTG TCAGCCTGGA
317601 CTTCACTGTT CATATCACTA TCAGCATTTT GGTCACAACC ATTTAACCAG
317651 TCTCTAAGAA GTTCTAAACT TTTCTCATC TTCTCTCTT CTTCTGAGCC
317701 ATGTGAATTC TTCCAATTTT TGCCCATTA CAGGTTCCA AAGGTGCTTC
317751 CACACTTTCA GGAATCTTTA TAGCAATGCC CCTCTCTTG GTATCAATTT
317801 TCTGTATTAG GCTATTTGTT GCATTGCTAT AAAGAAATAT CTGAGACTGG
317851 GTAATTTATA AAGAAAGAAG TTTAATTGGC TTATGGTTTT CCAGCCTGTA
317901 CAAGCATAGC ACCAACATCT GCTTGGCTTC TGGGAAGGCC TTAGCGAGCT
317951 TTTACTTATG GCAGAAGGGG AAGTGGGAGC AGGCATGTAA CATAGCAAAA
318001 GCAAGAGAGA GAGTGGGGAG GGGAGAGGTG CCACACTTTA GAATAACCAG
318051 ATCTTGTGAG AATTCAATTC CTATCACAAG GACAGCACCA AGCCATGAGG
318101 GAACAGCTCC CAAGACCCAA ACACCTACCA CCAGGCCCCA CCGCCAACAG

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318151 TGGAGATTAC AATTCAACAT GAGATTTGCA CAGGGACAGA TATCCAAACT
318201 ATATCAGTCC CTTATAATCC TTTTATTATT CTGATGCATC TGTGTGTATG
318251 TCTCCACTTT TATTTCTGAT TTGATTTATT ATTTGCATCT TTTCTTTTTT
318301 TCATAGTCTA GCTAGGGCTT TGTCAATTGT GTTTGTGTTT TCAAATGACC
318351 AACTCTTGGT TTGATTAATT TTTTCTATG TTTTATTTC CCTATTTATT
318401 TTTATTCTGA TCTTTTGCAA AAATAAATTA ATGGGAGTAT GTAAACTAA
318451 AAAGATTCTA CACAGCAAAG GAAACAATTA ACAAAGGAAA AGACAACCTA
318501 CAGACTGGGA AAAAATATTT GCAAACCACA TATCTAATAA GTGGTTAATA
318551 TCCAAAATTT ATAAAACTC TTACAACCTA ACTGCAAAAA ACCAAATAAC
318601 TCAATTTTTA AAATGGCCAG AGGATCTGAA CAGATATCTC TCCAAAGATG
318651 ACATAAAAAA GGCCAACGGA TATGAAAAGG TGCTCAGGGT CACTAATCAT
318701 TAGGAAAATG CAAATTAAAA CCTATGAAAT ATCACCTCAC ACCCCTAAGA
318751 ATGTCTGTGA TCAAAAAGAA GAAATAACAA ATGTTGGTGT GGAGAAAAGA
318801 GAACCTAAT ATATACTGCT GGGGGACAGT AGACTGGTAC AGCCACTATG
318851 GAAACAATA TAGAGGTTCC TAAAGAAATT AAAAGTATAA CTACCAATGA
318901 CCCAGCAATC CCTCTTCTGG GTATATACCC AAAGGAGAAG AAAATACCAC
318951 CCCATAAAGA TATCTCCCAT GTTCATTCCA ACATTGTTC CAATAGCCAA
319001 GATATGGAAA CAATCTAAT GTCTATCAAT GGAGAAGTGG ATAAAGAAAG
319051 TGTGGCATAT ATATACAATG GAATATTATT CAGCCTTATA AAAGGATATC
319101 CTGTCATTTG CCATAACATG GATAGACCTG GAGGACATTA CGCTAAGTGA
319151 AAAATAGCCA GACATAGGAA TAAAAATATT GCATGACCTC AATTATATAT
319201 GGAATATTTA AAAAAAAAAA GAGCTCAAGT ACACAGAGAT AGAGAATGAA
319251 ACAACGGTAA CCTCAGGCAG GGTGGTAGG GGAGAGGAAA TGAGGGAATG
319301 TAGGTCAAAG GATACAAAAC AGTAGATACG TAGGATGGAC AAGCTAGAG
319351 ATCTAATGTC AATATGAGGA CTAAAATTAA TAAAATTATA TTGTATTGGG
319401 AATTTTGTG AAATAAGTAG ATTTTAGCTG TTCTTGTCT AAAAAAGTAA
319451 CTATGTGAGG TCATAGATAT ATTAATCTGC TTCACTATAG TAACCATTTT
319501 ATTATCTATA TGATCCCAA AACATCATGT TGTAAACCTC AAATATACAC
319551 AATAAAATTT AAAAATCAAA AATAAAATAT TTTTAAAG AATAAAGGAA
319601 AACATTTGAA TAGTCATTT TGGGAGGAAA ATAAACATAC TGGGGAAACA
319651 CGGTAAGATT GCTGGGCAGT GCTGAGTGCC ATTCTGAATC AAGATTATCA
319701 TCTTAAATGA GAGACTTGGT ATATTTGGAT GCTTTTCTCC ATAAATATTC
319751 TCTTGTGTTG GTACAGCCAT GGAGTAGGTA TACGACTGAG TTTAACCATT
319801 AGGTCTTTGC CAAACAAAGG GAAAGGGGTG GAAAAAGTCA AAGGTATTTG
319851 CGAGATAATG GTTATGATGA TGGGCCATGA AATTAACGTG GAGGAGGTAG
319901 GTGAGGAGTG AGTATATGAG GTTACAAAAG AAGTGAGTAA TTATTATCAT
319951 GGGGGTAGAG TCGAAGTGAA GGGCACCATG AAGTGGAAGA TTAGCTGGTA
320001 AGTATGGTGG GAGGTCATTG AGGGGGTGAT TAGAGAGTAG GAGGCTTGAA
320051 ATCAATTTCA GAGGTCATGT AGTCATTGGC ACTGATGAGG TCAATTGATA
320101 TGATCATGGG AATGGGCAAC TCAGGTAGGG TAAAAGAAAT GATGGCTGAA
320151 TGCGAGGCAG TTCAAACCA GAGACAGCAA GAATACAGAA GTTAAGAATG
320201 ATGACAAGAG TACAAGGTGG AAGAAAGAGT GGGCTAGTCA CTGAAGTAAT
320251 CAGTGTATGA AGAGAATGAC CAGGGTTTGG TAGATGTCAG CAAAAGAAAC
320301 ACCTGGATTT TGTGGGGTG ACTGAGGTGA CTAGGGATGT TAGGCATGCT
320351 GGAATCAGTC CTGACAATCT CATGACAGAA GGTGGGAAAC TTATTGTGGA
320401 GCCTAGGGCT GCTGGTTTCT CCAGCATCTG GTGTTTTAAG ATCAGCATTT
320451 GAGTCCAAAC TCTACCACAC TAACTGTGTG AGCTTGTGAA AGGCTACGAA
320501 AAACCTGCTT ATTCTCATCT GTAAATGAA GACAAATGTT CAATGAATTG
320551 CCTAGTTCAT AAGGAGCATT TGAAATAATG AATGCAAAAG CACTTTGCAA
320601 GCTCTAAAGG GCTATAGAAA TGTAGTTAA AATTAAAAAT TTATGTCTTG
320651 CATTGTCATG ACCAGCCTTT AAACCAGAGC TAGAAGAATT ACCTATTCAT
320701 CTCTTTATCG GCCACAATAC GTAACACATA TCCTATGATT TAGAGATTAC
320751 AAGCTTGAAT AACACTGAAC AATAAAAGCT TATAAAATGA ATGAGTCTGT
320801 GACTAATGTC TCCAATGTTA TTATCAACAT TACCATCAT ACTGTTAAGC
320851 ATTAATGCTT CAAAAATTGT GAAAAAGGC CGGACACGGT GGCTCACACC
320901 TGTAATCCCA GCACTTTGGG AGGCCAAGGT GGGCCTGTAA TGCCAGCACT
320951 TTGGGATCAC CTGAGGTCAG GAATTCGAGA CCAGCCTGGC CAACATGGTG
321001 AAATCCCATC TCTACCAATA TTACAAAAAT TAGCCAGGCG TGGTGGCAGG
321051 CACCTGTAAT CCCAGCTACT CGGGAGGCTG AGGCAGGAGA ATCGCTTGAA
321101 CTTGGGAGGC AGAGGATGCA GTGAGCTGAG ATCACACCAG TGCAGAGACT
321151 TCATCTCCAA AAAAAAAAAA TACACATCCT GGTTTTCTT TTTACCAAAT
321201 CCATTGAAAT GAAGAAAAAG TAATATTTCT TCAAGTTAAA GTCACACAAA
321251 TATTTATACA CTTTGACCTA ATAATCTCAT TCCATAACA TTTTATCAT

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324451 GTTCCATCAC AACACGGCAA TGAAGGGGAA GTGGACAAGT AGGAAGACAG
324501 AGAAACCTGA GGGGTGTCCT GGCATTATAA CACCCACCCT TTGGGGAAAT
324551 AATCCATTCC TTCAAGAAAC AATCCAGCCT AGAGAGCAAG AACTCCAGAG
324601 CAGTAGCAAG CTATTTTCA GGGTGCTCCC CCATAATCCA AACATTTTCC
324651 ACTAGGCCCC ACCTCCCAAC ATCACCCTT TGGGGATCAA ATTTCAACAT
324701 AAGTTTTGGA GCAGGCAAAT ATTACACCA TAGCAGGGAG ATTCCTGCTA
324751 AACTGACTTA AGATTCCCAC TGGAGGAAGG CCAGGGTCAT CAGAGATTGA
324801 GGCAGGTGA TGAGGAATTT GATCAGATAC TGAGGGTGAT CAGCTATCAA
324851 ATGTGGGGTA TTCTCAATAA ACTGACTTTA CCAGAATTCT TGCTAAAAC
324901 GGGTTTGGCA GGCTGAAGAC AGAGCCAAGA ATGAGGCCTC ATAAAAAGA
324951 GGGTCAAAA GAGCCTGTCT AAAGTTTGGT CGAGGAGATA ATCTTTGTCA
325001 ATACCAAGAC CCACCCACT CCCTTCTCTG GGAAGACAAG GGGCTAAAC
325051 ATATCTATTG TTTCAGAACT GTCTGGGTGA ATTTGATGCC CACAGTACTG
325101 TTATTCACCTT TTCAGCCTCC TGCTGATGAC TGAGGAACT AAGAGAGTTT
325151 CTTTATCTTA CTAACCTGTT TTCAGTGGTG CTGTGCTTCC TGCATGATGC
325201 ACTCTTTTAG ACCAGTGATT CCCACATTG AGCATGCATT CGAATCACCT
325251 GGAGTGCTTG TTGAAGCATA GATTGGTGA TTCCATCACC AGCATTTCTG
325301 ATTCAAGAGA TCACGGTTTC TAACATGTTT CCAGGTGGTG CCAGTGCCAC
325351 TGGTACCACA CAGAACAATT GTTCAAGACC TTTCTTTCTG TTGTCTCTCT
325401 TCTCCCCCTC CCTCTTTTTC GAACAGTGT TTGGCTGCTC TTAATTGGGG
325451 GCTTAATTAA TCTCACATCT TGGAAGGTGG TATGAGGACT TCCAAGAAGG
325501 GTCCAAAGAC TTCAAATGCT TCACAGTGAA TATAAGCAAG TAGTGACTGG
325551 GGTGGAGTGG TAGGTGAGTC AGTGTGAATA ACTTGAGAGA ACTTAATGGG
325601 CTTATTTTAA GGACAAAGGG GCATGGCCAC TGTGCCCTAA CACTCTATCC
325651 TGTGGCTTCA CTCTATCCC TGCCAGCAA CCAAAGGAAC CACCCAGGTG
325701 AACCCACAAT TTCTCTAGTG CTCAAGGGTT ATGAACATCA CTCTCTGAG
325751 TTCCACAAC TCCCTTACAT TATAGAGAGG TTTTGGGGG TGCACAAAAC
325801 TTCATTCTGC CTCTCCCAA AGCTAATGAT GCCATTCTC ACCCTCTCTC
325851 CCTGCATACT GGAGAATTAT TCCTGGCTGG GAGGCTGGGG GTCAGGAGCA
325901 TGTCTGTGCT CTCACAGCCC CTGTGTCTGC AGCAGGAAA GCAGACCTCA
325951 AATACTGCTT CTGGAGGTGG GATCTGAGAC TTTTCAGAA TTGGAACCTG
326001 AGTGTGTTTC CCAG

FEATURES:

Start: 3000
Exon: 3000-3169
Intron: 3170-53737
Exon: 53738-53903
Intron: 53904-83114
Exon: 83115-83233
Intron: 83234-106060
Exon: 106061-106125
Intron: 106126-107148
Exon: 107149-107275
Intron: 107276-125710
Exon: 125711-125860
Intron: 125861-125953
Exon: 125954-126032
Intron: 126033-128358
Exon: 128359-128444
Intron: 128445-135733
Exon: 135734-135853
Intron: 135854-138750
Exon: 138751-138844
Intron: 138845-142152
Exon: 142153-142264
Intron: 142265-144095
Exon: 144096-144097
Intron: 144098-144098
Exon: 144099-144210
Intron: 144211-201858
Exon: 201859-202019
Intron: 202020-216887

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Exon: 216888-216948
 Intron: 216949-246929
 Exon: 246930-247026
 Intron: 247027-322796
 Exon: 322797-323013
 Stop: 323014

CHROMOSOME MAP POSITION:

Chromosome 3

ALLELIC VARIANTS (SNPs):

DNA Position	Major	Minor	Domain	Protein Position	Major	Minor
1139	-	G	Beyond ORF(5')			
1399	C	G	Beyond ORF(5')			
1872	T	-	Beyond ORF(5')			
1876	G	-	Beyond ORF(5')			
3180	G	A	Intron			
7590	T	A	Intron			
9315	T	C	Intron			
9572	G	A	Intron			
11004	A	G	Intron			
11379	-	A	Intron			
12478	G	A	Intron			
12486	-	T	Intron			
13904	A	G	Intron			
25445	T	-	Intron			
26805	T	A	Intron			
28010	G	A C	Intron			
28107	C	T G	Intron			
28107	T	C G	Intron			
28178	G	A C	Intron			
28356	T	C	Intron			
29535	A	G	Intron			
31808	C	T	Intron			
32807	T	C	Intron			
34531	A	G	Intron			
35318	A	G	Intron			
35463	T	C	Intron			
35477	C	T	Intron			
37050	A	G	Intron			
37470	T	G	Intron			
37481	G	A	Intron			
37499	A	T	Intron			
40178	-	A G	Intron			
40178	G	A	Intron			
40787	A	G	Intron			
44582	G	A	Intron			
45615	C	A	Intron			
46091	C	T	Intron			
47844	T	C	Intron			
48013	G	T	Intron			
48072	T	A	Intron			
50802	G	T	Intron			
53305	G	A	Intron			
53379	T	-	Intron			
56233	A	G	Intron			
56453	G	C	Intron			
59300	C	T	Intron			
60998	G	A	Intron			
63013	G	A	Intron			

63293	T	A	Intron
64181	C	T	Intron
64191	G	A	Intron
68992	A	C	Intron
76246	T	C G	Intron
77368	A	G	Intron
78043	G	A	Intron
79395	A	T	Intron
79474	A	G	Intron
79992	G	T	Intron
81065	T	C	Intron
81350	C	T	Intron
81474	G	A	Intron
82037	A	G	Intron
83258	G	A	Intron
83790	G	A	Intron
86565	C	T	Intron
86707	C	T	Intron
87243	A	- G	Intron
87243	A	G	Intron
95967	A	G	Intron
96374	T	G	Intron
100283	T	C	Intron
101074	C	- T	Intron
103767	T	A	Intron
104082	T	G	Intron
104473	T	C	Intron
105573	A	G	Intron
105668	C	T	Intron
106657	T	C	Intron
106855	G	T	Intron
106957	T	-	Intron
107957	G	C	Intron
108454	G	T	Intron
109894	G	A	Intron
110467	A	G	Intron
110538	C	T	Intron
113089	A	G	Intron
113964	A	G	Intron
114354	T	G	Intron
120163	C	T	Intron
124748	T	G	Intron
127581	C	T	Intron
128202	T	G	Intron
128496	T	C	Intron
130108	T	G	Intron
132240	T	A	Intron
133120	C	T	Intron
135891	T	C	Intron
136385	G	C	Intron
137408	C	T	Intron
141673	-	T	Intron
141688	T	A	Intron
141736	G	C	Intron
141982	T	C G	Intron
150406	G	C	Intron
150903	G	C	Intron
152612	T	C	Intron
153900	G	A	Intron
158595	G	T	Intron
162718	-	C	Intron
164528	G	A	Intron
165214	C	G	Intron

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166052	C	T	Intron			
170782	T	C	Intron			
171439	C	T	Intron			
175068	-	T	Intron			
178314	G	A	Intron			
179835	G	A	Intron			
186140	G	A	Intron			
186541	-	C	Intron			
188058	G	T	Intron			
188593	A	C	Intron			
192900	-	A G	Intron			
193005	A	T	Intron			
195888	C	T	Intron			
196643	T	C	Intron			
198793	G	A	Intron			
204566	T	A C	Intron			
206094	A	T	Intron			
209224	T	A	Intron			
211364	G	A	Intron			
211561	A	G	Intron			
212346	G	T	Intron			
216030	C	T	Intron			
216597	C	G	Intron			
218212	A	C	Intron			
225907	-	G	Intron			
229343	G	A	Intron			
230880	G	A	Intron			
230881	G	A	Intron			
231039	T	A	Intron			
231100	T	A	Intron			
231711	C	T A	Intron			
232431	C	T	Intron			
232503	G	A	Intron			
233364	A	G	Intron			
233423	C	T	Intron			
251180	C	A	Intron			
251291	T	C	Intron			
256969	-	T	Intron			
260787	A	G	Intron			
261903	-	T	Intron			
262224	T	C	Intron			
263740	C	T	Intron			
283403	A	C	Intron			
285709	T	A	Intron			
288934	-	T	Intron			
288954	-	T	Intron			
292710	G	A	Intron			
295600	G	A C	Intron			
295679	T	C A	Intron			
296323	T	G	Intron			
299119	C	T	Intron			
300404	T	G	Intron			
303906	G	A	Intron			
304170	-	G	Intron			
304657	C	T	Intron			
304771	C	T	Intron			
312311	G	T C	Intron			
313434	T	C	Intron			
313997	-	G	Intron			
322343	T	C	Intron			
322893	C	T	Exon	606	D	D
322905	A	G	Exon	610	K	K
325770	T	C	Beyond ORF(3')			

FIGURE 3, page 107 of 141

Context:

DNA
Position
1139

TATGCCAGGAGGTATGCCAGGGATTGGGGATGCAGAAATAAAGAAGATGTGTTGCGAGTG
CCCAAGTTCACTCAAACCTCGAGGGGGAGCGTGTGTCAAGTGAACAGATAGTTCTAGAA
TCTAGACAATGCGACACATTCTTGGGTAGGTTTATGGTTGCGCAGAGGAGACTAATGGAA
TGGATGACCTAAAAGTGGACTGGGATGGGGGTGGCAGGGCTGAGTCTGTGAGGGTGGGCG
GGAGGGAACCTAGTCCCAGAGTCTTCTGCAGCCTGGACCAGACTACTTAAGCACTGCTGG
[-, G]
TTTAGACTGTCCTTTAAAATAAGAGCCGCTAGAAGTGAACCTTCTCATTCTGTCCGTCCCT
AATTCTGTCCTTCTCTAAAAGGAACCTTAATCTCATCTTTAAAATAAGGAGAATTACTGA
GTGACCTGAAGGACCCTTTTCAGCTGGAAAGTCTGTAAGTCCATATATTTATTTGAACAG
CTTAGTATGGCCAGACGGCATCACTTTTATGACAGTGAAGGGGAAGTAAAAACAAAAGGT
ATATTTAGAGGCCTGCTCTCTAGTTGTTTTTCCAGCAGATTTTACTAACGTGTCTTTGGA

1399 GTCTTCTGCAGCCTGGACCAGACTACTTAAGCACTGCTGGGTTTAGACTGTCCTTTAAAA
TAAGAGCCGCTAGAAGTGAACCTTCTCATTCTGTCCGTCCCTAATTCTGTCTTCTCTAAA
AGGAACCTTAATCTCATCTTTAAAATAAGGAGAATTACTGAGTGACCTGAAGGACCCCTTT
TCAGCTGGAAAGTCTGTAAGTCCATATATTTATTTGAACAGCTTAGTATGGCCAGACGGC
ATCACTTTTATGACAGTGAAGGGGAAGTAAAAACAAAAGGTATATTTAGAGGCCTGCTCT
[C, G]
TAGTTGTTTTTCCAGCAGATTTTACTAACGTGTCTTTGGAAGGGAAAAAGAAAAGCTGGT
AACTAATCTCACTGGTATTAGGTACAACCTAACTGATTCATACATTTTAAGAAGGAAAAAT
GTTGTAAATGGGCATTTACTTATGTTCTGTTTTGAGGATTTTTGTGGTTAATTGCCCTAG
TAGTTTTTGTGGTTGACGGACACCACCAGTAAAGCCCATTGACCATCCTTAAAAACTAG
GTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGGTGTAGGCA

1872 TGCCCTAGTAGTTTTTGTGGTTGACGGACACCACCACGTAAAGCCCATTGACCATCCTTA
AAAAGTAGGTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGG
TGTAGGCAGTTTTCAATTTAAAATGTTATTTCTATATAGATTTAAAACAAAAGCACACTT
TTCTTGATAACTAACAAAACATTTAACATTCTGATGAAATAAAAGTGATTTTACTTTGT
CCTACTCATATGAAACAGTCTGCCTTTCTTTTTTTTGTTTTTTGTTTTTGTTTTTGT
[T, -]
GTTGAGATGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGAGATCTCACTGCA
AGCTCCGCCTCCTGGGTTACGCTATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTG
CAGGCGCCCGCTACAATGCCCGGCTAATTTTTTTGTATTAGACGGGGTTTACCCTGTGTA
GCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCCGCTTGGCCTCCCAAAGTGCT
GGTACTACAGGCGTGAGCCACTGCGCCCGGCTAAACAGTCCTGCCTTTCATAACTGCCA

1876 CTAGTAGTTTTTGTGGTTGACGGACACCACCACGTAAAGCCCATTGACCATCCTTAAAAA
CTAGGTTTTTGTCTCATAGCTTTGGAATTGTTGAATATGAAAACCTAACTTCAAGGTGTA
GGCAGTTTTTCAATTTAAAATGTTATTTCTATATAGATTTAAAACAAAAGCACACTTTTCT
TGATAACTAACAAAACATTTAACATTCTGATGAAATAAAAGTGATTTTACTTTGTACCTA
CTCATATGAAACAGTCCTGCCTTTCTTTTTTTTGTTTTTTGTTTTTGTTTTTGT
[G, -]
AGATGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGAGATCTCACTGCAAGCT
CCGCCTCCTGGGTTACGCTATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTGCAGG
CGCCCGCTACAATGCCCGGCTAATTTTTTTGTATTAGACGGGGTTTACCCTGTGTA
GGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCCGCTTGGCCTCCCAAAGTGCTGGTA
CTACAGGCGTGAGCCACTGCGCCCGGCTAAACAGTCCTGCCTTTCATAACTGCCACGTC

3180 ATCTTTTAACTTTTTCATCTTTAAGGAAGTACCAACACTGGATGAATTTGACCATTTCTT
AGGAGACTGGAATGTTAAGTTTCTATAAATGAATGAACAGTCTCTCTTGTGTTGGAGCA
ATGCTGAAATTCAGAGGCGAGCTAAGTGTGTGAGTGGATCAACAGCCATTTCACCTTAT
CCAAAGACCTTGATTGCAAGAAGATACGTGCTTCAACAAAAACTTGGCAGTGGAAGTTTT
GGAAGTGTCTATCTGGTTTTCAGACAAGAAAGCCAAACGAGGAGAGGAATTGTAAGTAAAA
[G, A]
TGCTTCCTATGAATCTTGAGTAGGCTGCTTTTTTGTGTTGAGGTCTTAGCTGATTAGGAAC
ATGGAGCAGGCCAGGTATGGTGGCTCATGCCGTGAATCCAGCACTGTGGGTGGCCAAGG
TTGGCAGATCACTTGAGGCGAGGAGTTCAAGACCAGCCTGGCCAACATGGCAAAACCTG
TCTCTACTAAAAATACAAAAATTAGCCAGGCAGGTTGTTACATGCCTGTGATCTCAGCTA

FIGURE 3, page 108 of 141

TAAATGTATGAGATAGGGGAATATCTAAGCTATTCTAGTAAATAATAGTAATAATAAATG
TAATTGGATATGCTGATCCCTTTACATTGTCTATTGTTGACTTCCTAAAATTTTAAAGTG
CAAGATTTTGTGTTAAGCCTATTAAAGTTATTGTATCTCATTATTCAATAAAATAAAGTA
TTTTAGGATGAGTGCAAAAAATGCAAGAGCAAAATTTGATGGGTGTAGTCTACCTTGTA
[G, A]
TTTTTTTTCTTCCCCTAAAAGGGCTTTTTTCATCGAGATGTTTTATAATAAAAAAGTGAG
CTGATTTTTAATAGAGTCCAGAGGAACCTCAATAACCAAATCCAGAATTCTTAATGGTTG
ATGAATATTAGAATATTAGTCTAGCTAACTTTAATTTCTGACCCCAAAACAAGCACAAAC
ACCCTCAAGTATAATCTGTAAGTACCCCTTCTTGCTGTTGTTTCTACACAAGCAGCCTTT
TGGGGAGAATATTTCTCCAACAACCTTTGGTGCATCCGGCAGCCAGCTCTCTTCTCTGG

12486 TTTGGCTAACACTGAATGACATCCCATGAAATATGGAATAGCATTCTTCATTTAAATGTA
TGAGATAGGGGAATATCTAAGCTATTCTAGTAAATAATAGTAATAATAAATGTAATTGGA
TATGCTGATCCCTTTACATTGTCTATTGTTGACTTCCTAAAATTTTAAAGTGCAAGATTT
TTGTGTTAAGCCTATTAAAGTTATTGTATCTCATTATTCAATAAAATAAAGTATTTAGGA
TGAGTGCAAAAAATGCAAGAGCAAAATTTGATGGGTGTAGTCTACCTTGAGGTTTTTTT
[-, T]
CCTTCCCCTAAAAGGGCTTTTTTCATCGAGATGTTTTATAATAAAAAAGTGAGCTGATTTT
TAATAGAGTCCAGAGGAACCTCAATAACCAAATCCAGAATTCTTAATGGTTGATGAATAT
TAGAATATTAGTCTAGCTAACTTTAATTTCTGACCCCAAAACAAGCACAAACACCTCAA
GTATAATCTGTAAGTACCCCTTCTTGCTGTTGTTTCTACACAAGCAGCCTTTTGGGGAGA
ATATTTCTCCAACAACCTTTGGTGCATCCGGCAGCCAGCTCTCTTCTGGCAGACAGC

13904 AAAAAACACCCCAAAGTTTGTATTATTAAGAAAGCAAACTAAGCCTGATGAAATGTGT
GGGGGTGATGGATATGCTCATTATCATGATTGTAGAGATGGTGTCTGTTTCATGGGTAT
ATACATATATCAAATTTGGCAAATTATACACTTAAATATGTGCAGTGTATTATGTCAA
TTGTACCTTAACAATTGTGTTTAGAAAAAGCAAAACCTGTACCATGATATATGAAAC
CCTTAAGATTGTTAACTGGCTGAATTTGCAGTTACTAATGATAATCATTATGAACTTG
[A, G]
TACTTTTCAGCTGAGTGCTGCTTTTTAATCTTGGGTTTCATACCAGCCAATTTTATTGTTTT
TAGCTCAGAGAAAAATCATAGGCTTTGTTTTTGGTACCTTTATTGGGCAAGTGAAGAAGG
AAGATCAAATGTAGTTGATAATATTGCTCTACATACTAGGTTTCCAACCTTTCTAAGAGT
GGAAAATTTGGAAACATTGAATTTCTGATTAGAATGTGTTTGGGTGTCAATTTTCTCAGTC
TCTCCCATGACAGCAGTCACTTAGCATTTTAATTAAAGTTTGGTTGATGTTTCCACTTC

25445 ATGGAGTAGAGTAAACATTTGCATGATTTTTGACTTTATAATATAATTTTTGATAGGTT
ACACATTACATGGCTCAAAAACATCAAAAGATCAAGTTTCGAGTTTCTCCTCATCCTT
CTCTCCCCTTTTTGAGTTCTCATCCTCTTCCCCAAAAGGTAACCACGTGTTAAGAGTTTC
TTCTGGATCCTTTTGAATTTGCTTTATGCACACATTAGCACTTAAGAATACAGAGTCTT
ATTTTTCCCCTTTCTGATAAAAGCTAGCATATTATACACTTCTGGTTTTTTTTGTTTTTT
[T, -]
TTTTTTTTTGCTTTTTTCATATGACACAATATCTTGGAGATATTTCCATGTTAGTGTGTAG
AACATTTCCCATTCTTTTTTTTTTAAACAGCTCAATAGCATGTTCCATGGTGTGGTTGT
AGTATAATTTTATTTAACCATTTTCTGTTTCATGCGCATTGAGTTATATTAAATCTTTTC
TTATTAATAATATCACTGCAGTGGATAACCCTGAACATTTGTCAATTTCAAAACATGCCA
CTATTTCTTGATGAATTTTTAAGATAAAACATAACATTTCAGAAATGTGCTGTTTTTAG

26805 GAACAGTAGATGGTGGTAATGTAACATGCAGACCAACTATTAAGACATGTCAACATTTCC
AATGGCAGCATTAATTCAAGGTGCAAAATGTCTTAATTTAATTACAGTCTACCAGTACTT
TTAATTTCAACGGCTAAATTAATAAAAGGCTAAACATAGGTATTTAACAACCTTTTAATT
TCTCCCTAGGAAAAGCAGAAATTTGGCTGAGAAATAAATCTGAAGAAATCTTTTATCTTC
ACAGACCATTGTAAGTGGCATGAGCCAGATCTGGTTTTTCTTGCCATCCATGTATTAGAT
[T, A]
GATGTTTCTAGCTTGTGTGTACACAAAGGTATATGTGTATTCTTTCTTTTTTAAAGAA
AAAGGCATCAATTTAACCAAACCTTAACCTCTCCAGTGTCCATGAGAATGGCAAAGAGCAGT
TTCAAGTCTGAAGCATCTGAAGCAGCCACCGCTTTGTACTCCAGGAACGACATTTGGGC
TGAAAATAGGATGTGAATGCCAATAGCTCTATTAGAAGGGCCAATGGGATGAGAGATCAG
GGTCTCTTAGAAGTTGAGAGGGATCTGAGCCACTTCCATTCTTTGAAGTCTATTTAACT

28010 GATGATAAATCTAGAGGAACTGCAGGGAGTGGAGGTTCTTCCGTGAAGGATATCTCAACT
TACCTGATGGAGGGGAACTATGGCTCATATCTGCAATCCCAACATTTGGGAGGCTGAGG
TGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGCCTGGCCATTATGGTGAAACCTG
TCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGGTGGCACATGCCTGTAGTCCCAGC

FIGURE 3, page 110 of 141

TGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCTGGGATGCAGAGGTTGCAGTGAGC
[G, A, C]
TAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGCCTGCCTCTAAATAAATAAATAAAT
AAATAAATAAATAAATAAATAAATAAATAAATAAATGTACCCGGTAGATATGGAATTGCT
GAAGATGGCTAAGGGAGGGGTTTTATCATTTAGGTTGATGGTTGTACCTTAGTTGGTGAA
ACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGGGCAGTTTTTACCCTGCTTTTT
CCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTTCTTTCCAGATGTAGCAGAAGGA

28107 CCCAACATTTTGGGAGGCTGAGGTGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGC
CTGGCCATTATGGTGAAACCTGTCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGG
TGGCACATGCTGTAGTCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCT
GGGATGCAGAGGTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGC
CTGCCTCTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAAT
[C, T, G]
TACCCGGTAGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTTAGGTTG
ATGGTTGTACCTTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGG
GCAGTTTTTTACCCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTT
TCTTTCCAGATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAAC
TGTCTAGACCATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGG

28107 CCCAACATTTTGGGAGGCTGAGGTGGGTGGATCGCTTGAGCCCAGGAGGTGGAGAGCAGC
CTGGCCATTATGGTGAAACCTGTCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGG
TGGCACATGCTGTAGTCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCT
GGGATGCAGAGGTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGC
CTGCCTCTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAAT
[T, C, G]
TACCCGGTAGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTTAGGTTG
ATGGTTGTACCTTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGG
GCAGTTTTTTACCCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTT
TCTTTCCAGATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAAC
TGTCTAGACCATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGG

28178 GGTGAAACCTGTCTTTACGAAAAAATAAAAAAATTAGCCAGGCATGGTGGCACATGCC
TGTAGTCCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATTGTTTGAGCCTGGGATGCAGAG
GTTGCAGTGAGCCTAGATTGCGCCATTGCACTCCAGCCTGGGTGACAGCCTGCCTCTAAA
TAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAAT
ATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTAGGTTGATGGTTGTAC
[G, A, C]
TTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGGGCAGTTTTTTC
ACCCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTCTTTCCAGAT
GTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAACTGTCTAGACCA
TGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGGCAGGAAGGGG
TCACTTTGATTTGAAGACCTATCTATCTCTCAGGTCCCTGCAGTAAAAATAGAGACGCG

28356 AATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATGTACCCGGT
AGATATGGAATTGCTGAAGATGGCTAAGGGAGGGGTTTTATCATTAGGTTGATGGTTGT
ACCTTAGTTGGTGAAACCAAGGCTTGAATTACCCTTCTAAGGTACAGTTGGGCAGTTTT
TTCACCTGCTTTTTCTTTTTCTGATCCAAGGGCGAGCTTGCTTCACCTTCTTTCCA
GATGTAGCAGAAGGACTAGCCTCAGGCAAGCAAGGCTGATGTCTTAATAAACTGTCTAGA
[T, C]
CATGGCATCCCTGGGGCAAGAGAGCCTTGATGTCTTGCTGTGTCCCCAGGCAGGAAGGG
GGTCACTTTGATTTGAAGACCTATCTATCTCTCAGGTCCCTGCAGTAAAAATAGAGACG
CGGTTTATATCAGCCAAGTGCTTAATGCAATAGAATCATTTAGTCTGTAAAAATTAGGAA
GTAGTGTTTACTATAAGTAATGTACAATGTGAATGTCTTCATTTCAGTCTTTGGTCAATGG
ATAGATTGCTGACAATGTGAGGCACTGTTTCAGACAGTGAACAAAACAAAGTCTCTGTTT

29535 TCCAGTAGCAGGATACAGTATTCTTACTTATGTTTATGTTTCTGTGTCTGGGCAATAGTG
CAAAGAGACCAAGTATACTGTGTGTTAATCAGTTCCTTTTTCTGGAGAGTTGGAACCAT
TTTACAGGGGAGTAAGGCATGAATGAGGGTGGGAGAAGGGGTAAGTTGGGTTTTCTCCG
AAGGGCTTCATTTTACTGCCTTGAGATCAGTGAAGACTTTCACCTTCAGGTCTCTGGGCT
GGTTCGTCTGTCTCTGCCTCATTTGTGTGTTTCTGCTCTGCTGAAGAGATTTCACTAGG
[A, G]
ATGAATGGGCGCTATGGAATTGGAATAGAGAGATCTAGATGGTTGCCCATCTCTCCCCT

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TGTAGACATGGTCTCCTTGCCTATGTTAGGAGTTAGGTGTTTTTCAGAGAGACTGTGTTTT
CCAGATTTTCAGCTTCATGCAGTGCCTGAAGATATTTTATTCCTCTAGCAAGGGTCAGGAC
ACTCACTGTGTTTTTCCCTTATCATGGTTAGATATGAAGGACCTCAGGGGAAATCATCCA
CTTGGGGCCGAAAAGCATCCAGACACTCTCATTTTGGTTTCTCCTGGGGAGCTCATGGTT

31808 GATATGCGGCGTTATTTCTGAGGGCTCTGTTCTGTTCATTGATCTATGTCTCTGTTTTG
GTACCAGTACCATGCTGTTTTGGTTACTGTAGCCTGTAGTATAGTTTGAAGTCAGGTAG
CATGATGCCTCCAGCTTGTTCCTTTTGGCTTAGGACTGACTTGGCGATGCGGGCTCTTTT
TTGGTTCCATATGAACTTTAAAGTAGTTTTTCCAATTCTGTGAAGAAAGTCATTGGTAG
CTTGATGGGGATGGCATTGAATCTAGTTTTAGAGAGAGCGATACCAGCCCCAGATTAGAG
[C, T]
TGCTTGGACATTGAGGAATCTCCCTTTAGGCTGAGGACTAAAAGAAAGCTGTGGGTGTA
ATATCTAGATACTGCATGTCTATTGTATTTATGTAAATACAACCCATTGACTTATCTTCA
TCTCTTTATGCCTCAAGATATCACAGTTCCTTAAGAGATTCACTACTACAGTCAACTTTA
TGCCTCAAGATATCACAGTTCCTTAAGAGATTCAATAACAGTATAGACAAGAGAGGGA
AATCAGCCCTAATTTTAGCTGCTAAGATAGTCATACCTATTAGCTCTCCATCCTCACAG

32807 GAGGTACTTTTATCTGGAGCTGGAGAATAGAATACAGAAAGAAATTGTATATGGTAATAG
TAGCATGGTGTATGCATATGCCCAAACCCATCAAATTGTATACATTAAGTGTGCAGGTTT
TTTGGTATATAAATTATATCTCAATAAAGTTGTTATAAAGAGGAGAAATATGTACATTAA
TTTTTGTGTTTTACACATATTTTTGATGTTACTGTAAACTATTATGACTTAATATTCAT
ATTTTCTGAACTTTAGAAATGTAACCCATAACAAATAAAACCTGGTTTTGAACATGTAA
[T, C]
AAAAGTCCCATCAGAGGCACACCATTCTTGTATGCCCTTTAAATGTACAGATATGTGCAT
TTAATTATTCCATATAGCCCTTTCAAGAAGCCAAATTAAGCTCCATCTACATAGTGTGAA
GTATATGCGTTTAAATGGACTTGTATCAAAGTATGCACACAATTGACTCCCATTGTCATTG
ACAGATGATGTTTTAGTTCCTTTAAGTGTTCCTGTAGCCTCCTTGACTTCCCCATCTGCA
ACCACCATCTTGCACCTCTTTCAGAGAAGTTACTGTATTGACAGACACATAGAGGGTTGA

34531 TGTGCTTATTGGCCATGTGTATATCTTCCCTGGAGAAGTGTATTTGTTTGTATATT
CCCAGTCCCCCATCCAGAACTGGGCATACTGTAGGGACTCAAAAATGAAAGTCATAAATC
ACTTGTAGCAGAATCACCTACAGCTCCGAGAAGTCAAGTGAACCTGCTATAGATCAAAC
TTTCCACACTTAGGCCTAGAGATCTACATTTAAACAAGATCCTGGGGGTCTGTTTCACT
CTGAAGTTTGTAGTAGCATTGCCTTAACTAAAGATTTTTTAAACATCTGAAGAGCTTCAGT
[A, G]
TATTCAGAGGTAAACATGATCTATGCTGTTCTAGACTGCAGAAGTGGGACTAGCAGACAA
GAATCACAGGCAGGAGCACATTGCCTCATTAAGTGGTGTCAAGTTGAGTTTGTAGTGGCC
ATCTGCCACAGAAGGAAGTCTTGCATTGGGTAGAATGTAGGGCAGGTAGGGCAGGATGTA
GTCTTTCTGGGGATGTTATGCTATTTCTATACCTGGTAGACCCCATCTAATTTTTATCT
GCCTTATGATCAGATAGTGTATCTCGGTGTTGGCTATATATAAAATGACAAAGTCTCTTC

35318 CTTAGCATATTGACCGGAGCCCCAAAAGGAATTTATTATAAATTTAATGGGTGGGTACAG
ATTACCAAGGATTTCTGGAGGGCCAGACTAAGGACAACCTCCCTGCCATCACTGGTGCT
GGGGCCCATGGCACTGCTGCCTAGGAAGTCCATCGTGTGCTGCTACCACCACAGTG
GCCTTCTTGAGGCCCCCTCATTTCTGATGTATCAGCACCAATTCTGAGTCCAGGGCATC
AGACTGTAGCGTACACCATGTTCAATCAAAAGATAACTGAGTTGATAACGAATGAATTCA
[A, G]
TGGGCACTAGTAACAGTAGGCACCAAGAGCAAGTAAACAAGTAAAAACAAACAACAA
ATAAAACCCAAACCCCTCCTTAGGAGCTTACATTTTAGGGGAAGAGCTGAGGCACACAA
AATTTGTTAGGCAACAACATTTCCCTATACCAAGGAACACGATTTAGGGTGACAGAACATG
TGTGTAGCAGTATAACTACAGTGTGTGGAGTAATTTTCATATTGTTGTAACTTGGGA
ATAGATGTACATGGCAGCTCCTATTTTCCCTGGAAGTCTGATCACCACAAAGGTATTCA

35463 AACTCCATCGTGCTGCCTCTGCTACCACCACAGTGGCCTTCTTGAGGCCCCCTATTCTTG
ATGTCATCAGCACCAATTCTGAGTCCAGGGCATCAGACTGTAGCGTACACCATGTTCAA
TCAAAAGATAACTGAGTTGATAACGAATGAATTCAATGGGCACTAGTAACAGTAGGCACC
AAAGAGCAAGTAAACAAGTAAAAACAACAAACAAATAAAACCCAAACCCCTCCTCTAG
GAGCTTACATTTTAGGGGAAGAGCTGAGGCACACAAACTTGTAGGCAACAACATTCCC
[T, C]
ATACCAAGGAACACGATTTAGGGTGACAGAACATGTGTGTAGCAGTATAACTACAGTGT
GTGGAGTAATTTTCATATTGTTGTGTAAGTGGGAATAGATGTACATGGCAGCTCCTATT
TTCCCTGGAAGTCTGATCACCACAAAGGTATTCAACCTTGTGATCTGAACCGGAGAACC
TTCCAGGTTAAAGGCTAAAAATGCCTTTGCAGACTTTCTCTCCTCTGCTGCCCTCTCAT

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ACTGTAGCCTGACTTTTTAAGAAACCAACTTTGTTGAAGAATAATTTATAGACAATAAAA

35477 GCCTCTGCTACCACCACAGTGGCCTTCTTGAGGCCCTCATTCTTGATGTCATCAGCACC
CAATTCTGAGTCCAGGGCATCAGACTGTAGCGTACACCATGTTCAATCAAAAGATAACTG
AGTTGATAACGAATGAATTCAATGGGCACTAGTAACAGTAGGCACCAAAGAGCAAGTAAA
ACAAGTAAAAACAAACAATAAAACCCAAACCTCCTCTAGGAGCTTACATTTTA
GGGAAGAGCTGAGGCACAAAACCTTGTAGGCAACAACATTCCTTATACCAAGGAACA
[C, T]
GATTTAGGGTGACAGAACATGTGTGTAGCAGTATAACTACAGTGTGTGGAGTAATTTTC
ATATTGTTGTGTAACCTTGGGAATAGATGTACATGGCAGCTCCTATTTCCCTGGAACTCT
GATCACCAACAAGGTATTCAACCTTGTGATCTGAACCGGAGAACCTTCCAGGTAAAGG
CTAAAAATGCCTTTGCAGACTTTCTCTCCTCTGCTGCCCTCTCATTACTGTAGCCTGACT
TTTTAAGAAACCAACTTTGTTGAAGAATAATTTATAGACAATAAAGATACCCATTGAA

37050 TGAATACAAGACAACCTCTTGGAGGGCAACTGTCTTTTTCTCAGATGTAGTAGAAAGGAA
GGGGACAGAGTGGGAAACAGAAGCAAGAAAAAGGATACAGAGATAGGATCATGAATAGAG
GAGGTGGATGGGTGAGTTTGGGAATAATGATTAAATACAGTCCCGATAGATAGGTCAG
TTGATAGAATACCTTGAACCTGGAGGCTTAATAAGTTTTGTCTGATGGGGAATACAAGAGA
AGATCTTTAGCAAGAGAGTGACATAAAAGTAGTATTTGAAAAATGATTATCCTTGAGCTT
[A, G]
AGGAAATCATAGAGTAACCTACCAGCCAGGAAATTTACTACAAGTGTAATAATTACCCGTA
TGACCTAGCAATTCCATTCTAGGTACATACCCAAAAGACATAAAAAACATATATCCACTC
AAAACCTTGTACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAGGTAGAAACA
ACCAAGTGTCATCAACTGATAAATGGATAAAACAAAATATGGTATATCCATACATAGA
ATATTATTTAGCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCT

37470 CAAAACCTTGTACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAGGTAGAAAC
AACCACAGTGTCATCAACTGATAAATGGATAAAACAAAATATGGTATATCCATACAATAG
AATATTATTTAGCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCT
TTGAAAACAATATGCTAAGTGAAGAAGACAGTCACAAAAGACTACATATTCTATGATTC
AACTTATATGAAATATCAAGCAGGCAAACCCACAGAAAGAAAGTGGTTGCCAGGGGCTA
[T, G]
GGAGAGTGGGGATGGGTAGTGATTGCTGATGGATAAGGGATTTCTTTGGGGACTGTGTTA
GTTTTCCAGGGCTGCCATAATGAAATGCCACAGACTAGGTGGTTTGAATAACAGAAATTT
ATTTTCTCATGTTCTGGAGGCCGAAAGTCCAAGAATAAGGTGCCAGCAGGGTGATTTTTT
TCTGAGGCTGCTCTCCTTGGCTTGTAGATGGCCACCTCCTTGTCTGTTTTACATGGCC
TTTCTGTGTTTGTGCAAGCGTGTCCCTGGTCTCTCCCTCTCCTTATAAGAACAACACTTA

37481 ACACAAATGTTTACAGCAGCATTATTCATAATAACCAAAGGTAGAAACAACCCAAGTGT
CCATCAACTGATAAATGGATAAAACAAAATATGGTATATCCATACAATAGAATATTATTTA
GCCATGAGAAGCCATGAAATACTGATACATGCTACAGTCTGGATAAACCTTGAACAAT
ATGCTAAGTGAAGAAGACAGTCACAAAAGACTACATATTCTATGATTCAACTTATATGA
AATATCAAGCAGGCAAACCCACAGAAAGAAAGTGGTTGCCAGGGGCTATGGAGAGTGGG
[G, A]
ATGGGTAGTGATTGCTGATGGATAAGGGATTTCTTTGGGGACTGTGTTAGTTTTCCAGGG
CTGCCATAATGAAATGCCACAGACTAGGTGGTTTGAATAACAGAAATTTATTTTCTCATG
TTCTGGAGGCCGAAAGTCCAAGAATAAGGTGCCAGCAGGGTGATTTTTTCTGAGGCTGC
TCTCCTTGGCTTGTAGATGGCCACCTCCTTGTCTGTTTTACATGGCCTTTCTGTGTTT
GTGCAAGCGTGTCCCTGGTCTCTCCCTCTCCTTATAAGAACAACACTTATATAGGATTAG

37499 GCATTATTCATAATAACCAAAGGTAGAAACAACCCAAGTGTCCATCAACTGATAAATGG
ATAAACAAAATATGGTATATCCATACAATAGAATATTATTTAGCCATGAGAAGCCATGAA
ATACTGATACATGCTACAGTCTGGATAAACCTTGAACAATATGCTAAGTGAAGAAGA
CAGTCACAAAAGACTACATATTCTATGATTCAACTTATATGAAATATCAAGCAGGCAAAC
CCACAGAAAGAAAGTGGTTGCCAGGGGCTATGGAGAGTGGGGATGGGTAGTGATTGCTG
[A, T]
TGGATAAGGGATTTCTTTGGGGACTGTGTTAGTTTTCCAGGGCTGCCATAATGAAATGCC
ACAGACTAGGTGGTTTGAATAACAGAAATTTATTTTCTCATGTTCTGGAGGCCGAAAGTC
CAAGAATAAGGTGCCAGCAGGGTGATTTTTTCTGAGGCTGCTCTCCTTGGCTTGTAGAT
GGCCACCTCCTTGTCTGTTTTTACATGGCCTTCTGTGTTTGTGCAAGCGTGTCCCTGG
TCTCTCCCTCTCCTTATAAGAACAACACTTATATAGGATTAGGGCCCACTCTGCTGGCCT

40178 CTGTCTGTAATCCTAGCACTTTGAGAGGTCAAGGCGGGCTGATCACTTGAAGTTAGAAGT

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TCAAGACCAGCCTGGCCAACATGGTGAAACCCCATATCTACTAAAAAAAATAAATACAA
AAATTAGCCAGGCATGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAG
GAGAATCACTTGAACCTGGGAGGCGGAGGTTGCAGTAAGCCAAGATGACACCACCACACT
CCAGCCTGGGCGACAGAGCCAGACTTGTCTCAAAAAAAAAAAAAAAAAAGAAAAGAAAA
[- , A, G]
AGGATTTACAAGTGGGATCTCAGTTTCATTATTATTGAGTGTGGTTTGTCACTTAACAGA
CTCTGTGTCTTAATCTCTCTGTGTCTTAGTTTCTTTATTTCAAGAGGATTTTAATAGTTT
CCTAGCACAGTACATGGTGCCAAATAACTGTCTCATGTATGGCGCTTACTATTGCCATAA
TCATCACCAGTATCACTATTTTAGTGGGTAGAGGTTTCTCATGATTATCTCATATCTTG
GTCTTTGATTACCTCTTTAGGATATTGATTTTCATCCTTTTAAGGTGCATGACAGTTTCTT

40178 CTGTCTGTAATCCTAGCACTTTGAGAGGTCAAGGCGGGCTGATCACTTGAGGTTAGAAGT
TCAAGACCAGCCTGGCCAACATGGTGAAACCCCATATCTACTAAAAAAAATAAATACAA
AAATTAGCCAGGCATGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAG
GAGAATCACTTGAACCTGGGAGGCGGAGGTTGCAGTAAGCCAAGATGACACCACCACACT
CCAGCCTGGGCGACAGAGCCAGACTTGTCTCAAAAAAAAAAAAAAAAAAGAAAAGAAAA
[G, A]
AGGATTTACAAGTGGGATCTCAGTTTCATTATTATTGAGTGTGGTTTGTCACTTAACAGA
CTCTGTGTCTTAATCTCTCTGTGTCTTAGTTTCTTTATTTCAAGAGGATTTTAATAGTTT
CCTAGCACAGTACATGGTGCCAAATAACTGTCTCATGTATGGCGCTTACTATTGCCATAA
TCATCACCAGTATCACTATTTTAGTGGGTAGAGGTTTCTCATGATTATCTCATATCTTG
GTCTTTGATTACCTCTTTAGGATATTGATTTTCATCCTTTTAAGGTGCATGACAGTTTCTT

40787 TAATTATTTGTCTCTGCTCTGCCACTGGATTGCAAAGTCCTTGAAGGCAGAGGCTGTGCC
TGTGACAAGTAAAGTACCTTCCACAGATCAGGTGCCCCATACACGTGCACTGAATTTAGA
AACTGGAATTAAGGTAATAGTTGAGAAGCTTTTCTTAAGTTAGACATCAAAGTGCATTAT
TTCATATGTAAGTTGGAATTTCTGTTTCTGAATGAATTCATTCAATAGAACCAGTATGT
TCTCCTTGGGAAACATCTTCACTGTTATGTGACTAAAATTAAACTGGCTTATGACACTC
[A, G]
GGATCCAAAGATTGAAATACCCCTCGTAATAGGCAAGAATTGTATCACATTACCATCAAC
AACAGCAATAGTACTAATAGTAATAATAAAAAATACCTTTCAAGAAGTTTGAATTAATTT
TGAAGCTCAATCATAGCAATAATTTCTGGCCAGCATATTTGTGTTCTTTCCCTATTTGT
GTTCTATTCTTGCTGGTCTTAATTTTTTGTGTTATTATGTAAGTTATGTCAAATGTCTG
TGAATGAGGCTGAGTATAAATACATTAAGGTAATAAATATGTAATAAGAGATGTTCAA

44582 AATCCATTTCAAACCTGGAAAAGAAGCTGAATATGGGGGGAACACATTAAGAAAATTTGG
TAGCTTTGTGCTTCTCTTGGGCCAGGCCATTACAATGGGTATTATCATTTCTCTGAGATA
TTGTGAAACATCAGAGCAAAACCTTTTTTTTTCAGGTATGAATATCTGCCATTTTTTGTG
TATGCTAATGTTATTATCAGCTCCACGGGTAATTCAGCTTCCAGATCAAAGCTATTCCA
GCAAGTATGTTAGCAAGCAAATTTTATAAACTTGCATTTTATGACTTTTTTATCTCCT
[G, A]
TCACTAGAGAATATAGAAAAAGGTATATTTACTGTTTGTAAAGTGTATTTCTTTT
TCTTTTCTTTTTTGGCAGGAGAGAGTGAACCAATATTTTAAGAATCTTTTTTTCTT
GGTCTTTTCAACTCAGTATTTATTTTAAATCTTTATATTTTTTGAATGGCGAATCATC
CATTTCCCTTGCTTCACTCTTTTCTTTTCTGCTCTCATTTTAGATTATCTTCTGTTTGC
TATTATTACTTCTATATCATCACCTAAGGGAAGAAGGATAACACTGGTGAATTTTAATA

45615 ACTACATTCTCTACCCCTGATTCTAATCTCTTCTTTTAAACATCTCCTCTTCTTCTT
GTAGCAAAGTGGTAGTATCAGGAAATGGCTGATGCTATCAAATGGCTTAAACAATAAGA
AACTCTTGTCTCTTATCAAGAAGTCTAGAGAGAGAGCAATTCTGGTTTGACTAATTCAG
CAGCTGAGCAACATCATCAGGGACGTTGGGGCCTTCTCTTACCTCTCCATGTTTCTGC
CACTCATGTTAGGGTGGCTTACTTCATGGCTCCAGCTGGCTGCCATAGTTCAAGGAGTCA
[C, A]
ATGCAGATGATCACATGCAGAGGTGGATTAAAGAAGAGTTTCTCTCATGCTTCTCTTTT
TATCAGTGAGGAACATCTTTTCCAGACCAATTATGATTACCACAGGAAGTAGGGGAGGA
TCCTCCTTTCCAGAGCATATGATGGTAGGGGTGTGGGGGATGACTGTGTGGGGTAGGCA
GTCTCAGTGTTTCTCACAATAAGGAGGCCACAATATTGATGACTCTGCCCATCTGTAT
AAATAAGAAAAATAGAATTGCTTGACCATTGTCTCAGGTTGTGGGGGAGAAAGATAGGG

46091 AGGCAGTCATCAGTGTCTCTCACAATAAGGAGGCCACAATATTCGATGACTCTGCCCATC
TGTATAAATAAGAAAAATAGAATTGCTTGACCATTGTCTCAGGTTGTGGGGGAGAAAGA
TAGGGACAAGGAGGAGCTGTATATGATTTTAAAGGGAAGTTAGAATTGACCAAGGCATC
CTTGGTTGTAAAGAGAACTTTTAGAGAAGTAAATAGAAGAAGTTCCAGAAAGCTGTCTC

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CTCCATGAAGGGAATCCACTCATATTGTAGGTAAAAGAAGAGGGAAGGGCAATTTTTTCT
[C, T]
CACTCTTCTACGAGACAGCCCCAGCAGCTTTTATGGAGGCTGTGACTTAGAAATGGGGG
GAAATGGCTGTATGTTGTGAGGGCACAAATGCACAAGCTTTTTTAACACTGCCTGAACA
AATGCAGACTTTTGTGCTCCCCAGTGAATTAACATGCTCTGATGCATTTTTTTTGGCTT
GGCTATCAACTCTTTGGTCATGTGCTTGGGGAAGGGCTTTGCATGACACAGCGGTGAGAC
ATTTTATCTTTTCTCCATGTGACTTCCAGGAAGCCCTCTAGGGAAATGCAGGACATGGTC

47844 GCTTAATGGGAGGGTTCCTCATGCTTATTTTAAAGATCTTGCTATGTAAAGCTTAAATAT
TTTTTGGAAAAATGGGGAATAAATGGGTGGAGAGGAAGGAAGAAAGAAAAACAAGAGGG
AAGGAGAGGTTTATGAACCTGACAGTTTTTACAGTTTTATATGTCTCTTAAAAAATACTCC
TCCTCCCTGTAAACATTTTAATTCACATTCCATAATGTATAGTGTGATTTTGTGTATGTG
TATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATGTAAATATATAATA
[T, C]
AATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACTTTCATAGCCTATTCAG
GTAATGCAATGCAGACACTCTTCTACTGGATATTGACTTATACAGGGCAAATGGTAAAG
AATGATACATTCAATTTATTTTGTGCTTGAGCTCCACCCAGGGAAGGCAATGCAGCAA
GTATAAAGCGGTTTGCATTTGCAAAAGTGAACATCCTGAAGCTCTAGTCCGTGGATTTTG
CCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCCACCCAGCTCTATTTT

48013 AAAAACTCCTCCTCCCTGTAAACATTTTAATTCACATTCCATAATGTATAGTGTGATT
TTGTGTATGTGTATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATGT
AATATAATATAATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACTTTCA
TAGCCTATTTCAGGTAATGCAATGCAGACACTCTTCTACTGGATATTGACTTATACAGGG
CAAATGGTAAAGAATGATACATTCAATTTTGTGCTTGAGCTCCACCCAGGGAAG
[G, T]
CAATGCAGCAAGTATAAAGCGGTTTGCATTTGCAAAAGTGAACATCCTGAAGCTCTAGTC
CGTGGATTTTGCCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCCACCCC
AGCTCTATTTTAGCATTTATCATGAAGTTGTCCAATTTTATATACTTGTGGCCTCCC
CATGGGACTGAGCTCTCTTGGAGGGCAGGAGTTTGTCTTTTTCGTCTTTATATCTCCAG
CACATGGCATGGTATTTGGCACATAGAAGATAGTTAATAGACAGTAAAGTAACAGAAGCG

48072 TTTGTGTATGTGTATGTATGTGTTTACTCTAAGGAAATATACAGCATATATAAAATATGT
TAATATAATATAATGTATAAAGTCATTTTTTAAAGAGTCATATGCTGATTAACTTTC
ATAGCCTATTTCAGGTAATGCAATGCAGACACTCTTCTACTGGATATTGACTTATACAGG
GCAATGGTAAAGAATGATACATTCAATTTTGTGCTTGAGCTCCACCCAGGGAAG
GGCAATGCAGCAAGTATAAAGCGGTTTGCATTTGCAAAAGTGAACATCCTGAAGCTCTAG
[T, A]
CCGTGGATTTTGCCTTTTCTTCTGCTCAAAGAAAGGTTAGGAATCCTACTGCCCCACCCC
CAGCTCTATTTTAGCATTTATCATGAAGTTGTCCAATTTTATATACTTGTGGCCTCC
CCATGGGACTGAGCTCTCTTGGAGGGCAGGAGTTTGTCTTTTTCGTCTTTATATCTCCA
GCACATGGCATGGTATTTGGCACATAGAAGATAGTTAATAGACAGTAAAGTAACAGAAGC
GTGAGATTTCTGTCTCAAAGTCTTTGGCAGTTTGTTCCTCAGTTGCTGATGTCTGCCAT

50802 TCTGATAAAATAAATGTCTGTCTATGTTATTTAGGAGGGGTGACAGGCTGGAATCACTGAG
CAAGTGACAACTGTCCCTTGACTTGGTAAGTTTCCATGCTGTCTTTGGCTGATACAGAT
CTCGTATTAAGTGATATGCAATGAGAGTTTCTCTGTGAGCTCAGTGACGTGATTTTAGG
TAAGGAAGGTGAACGTCTCCGCATCAGCTAGAGAGATTATAATAGATATCACCTGTCTTA
ATAGCCCTACCTTCATCTGCTAACTGTGGACAAATGAGATTTTATGCTTTATCATCAAG
[G, T]
TGCCAGACGGGGCTCAGGTATTTACATTTTATATGTAAAATTGCTCATGCTCTGCTGCAC
AATAGTTGGTGTGTTGCAAGGAAAAATAAGTATCCTGAAGCTTTTATAGCATTTATTCCT
TCACAGCAAGAGAATATTGCAAGTTGGTAAGACTTTATATTGTATGCTTAACCACTGTG
ACTTTTATAACTGCATGCTAGCTGGGTACAGTAAATTAAGTAAAGCTCTATGAAGATG
TCTTTGTGCTTCGCCTGCTGCTTTGTAATCTTCAGTAGTTAAAAAAGTGTCTTGTATGT

53305 CTTTCATTTATACATGTTAGAAATACTAAATATCTCTATTAATGTTTTTAGTTAATTTTT
CCTGTTAAATACTGGTAGTAATGAAGTATGATATGCCAAGGATAGTTTTTAAAGAAAAAT
AAATAAATATTGCTCCTATTGATATTAAGTCGATATATTTGGAAAAATTTTAAAGCTGAGAG
AGAGAAGCATGCCTGTGAGTGTGTGTAATACATGTAAATACATACACAGAGGCAAAGAG
AGACACAGAAAGAGGCAGAGACACAGAAGGAAGATAGGCAAAGAAAGAATAAGATACAG
[G, A]
GAGACAGAGTGATGGATTACATATATATATGTGTGTGTGTGTTTTGTGTGTGTGTGTGT

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GTGTGTGTGTGTGTGTATGAACACACATAGAAAGAGACAGACAGAAATAGATAACTATAA
GAGAAACCAAGAGACACTGAAACATCTAGAGAGGTGGAGGAAGGGCCACCCAGCAATAT
TGCTCAAGATTAGTTCCATGGCTGCCCTTATAGAACTGTAGGATACACAGATGAGGAGGT
CAGAGGCCCTTGGGGAAGCAGGACAGGAAAACAGGCCAGGTCCCACCAGGAGACACAGTG

53379 GTAGTAATGAAGTATGATATGCCAAGGATAGTTTTAAAAAGAAAATAAATAAATATTGCT
CCTATTGATATTAAGTCGATATATTTGAAAATTTTAAGCTGAGAGAGAGAAGCATGCCT
GTGAGTGTGTGTAATACATGTAAATACATACACAGAGGCAAAGAGAGACACAGAAAGAG
GCAGAGACACAGAAGGAAAGATAGGCAAAGAAAGAATAAGATACAGGGAGACAGAGTGAT
GGATTACATATATATATGT
[T, -]
GTATGAACACACATAGAAAGAGACAGACAGAAATAGATAACTATAAGAGAAACCAAGAGA
CACTGAAACATCTAGAGAGGTGGAGGAAGGGCCACCCAGCAATATTGCTCAAGATTAGT
TCCATGGCTGCCCTTATAGAACTGTAGGATACACAGATGAGGAGGTGAGAGGCCCTTGGGG
AAGCAGGACAGGAAAACAGGCCAGGTCCCACCAGGAGACACAGTGTCATAATAGGCAAT
ACCAGATATATGAGTAGGTCAACCTGGGCATTAAATTAATGGCTCTGTACCCTTGATG

56233 AACCATATGTGGCTCCTCGCTACCGTATTAGACATACATAGTATATGTTGCTATAACTTT
CTTCCCTGTATTAATTGAAAAAATTTATAATTTTAAATGTAATTTTAACTACCAGAAAT
GTTACAAGAGTAACACAATGAACTTCCATATGCCCTTTATCCAGATTCCCAAATGTTTAT
TTTTCCACATTTGCTTTTATCTTTCTACCTACATTTTTTAATGAACCATTTGAGAATAAGT
TTCAGACATGATGCTCCTTTGTCCTAAATATAATACAGCTGTGAGTATTTTCTAAGACCA
[A, G]
GGACATTCTTTTATGTAACCATAGTACAGTAATCAAAATCAGGAAATCAACAGTGATACA
ATGCTAGTATGAAACCCAGTGGTTCTCAAAGTGTGACCCGAGACCAGTATCATCAGCATC
ACTTGGGAACCTTGCTAGAAATACAAATTTCTTGCCTCTACCCAGCCAGCTGCATTGAAT
CAGAAATTTCTGGGGTGGGGTTCTGGCAATCTGTGTTTGAACAAGCCTGCCAAATGAGCC
CAAAGCATACTGAATTTGAGAATCACCCATCTAATTCACAGTCTATATTGTCTGAATTA

56453 TGAACCATTTGAGAATAAGTTTCAGACATGATGCTCCTTTGTCCTAAATATAATACAGCT
GTGAGTATTTTCTAAGACCAAGGACATTCTTTATGTAACCATAGTACAGTAATCAAAAT
CAGGAAATCAACAGTGATACAATGCTAGTATGAAACCCAGTGGTTCTCAAAGTGTGACCC
GAGACCAGTATCATCAGCATCACTTGGGAACCTTGCTAGAAATACAAATTTCTTGCCTCTA
CCCGAGCCAGCTGCATTGAATCAGAAATTTGGGGGTGGGGTTCTGGCAATCTGTGTTTT
[G, C]
ACAAGCCTGCCAAATGAGCCCAAAGCATACTGAATTTGAGAATCACCCATCTAATTCAC
AGTCTATATTGTCTGAATTACATTCTTAGAAGGGACAGTTCTATAAGATTTTGTGTTGT
TTGCAGAGGATCTCATCCGGAATCATCTGTGTTGATTTTTAAATGATGGGTGGTTTCAGT
GGGCTGAGCTGCTCTCCCGGAGGGGCTGTTGCCATGGTGATGGCTGCTGGCAGTGCTGA
GAGACAGCTGTGGGGCCGCTGGGCTCTGTGTGCCACTGAGCTGGCAGGTTGCCACTTCC

59300 TGATTTAGGAACCCAGTACTTCACCTTTAATTGTAATATGTTTGCAGTTAAATACATTCC
CTAATTTTAACTTATATAATCATAGTATAATTATCAAACTAGGAAAATTAATATTT
TACTAGTTTTTCCCTTTATGCCCTTGGTCTATTCTAGGATCCAATCCAGGATTCTACATT
GCATTTAGTTCTATTTCTTTAGTCTCCTCTAATCTGTGACAATTTCCCTTTCCTGCCTTG
TTTTTTATGAATTTGACACTTTTGATGGGTAAGTGGCAAGCTATTTTGTAGAATGTCTCT
[C, T]
AGTTTGGGTTTGTCTAATGTTTTATCACGATTAGATTGAGGTTACATATTCTTGGCAAGA
CTACTACAATAGTAGTATTGTATTCTTCTCAGTACATCATATTAAGGGGTACCAGCTGTA
TCTTATTACTGATGATGTTAACTTTGATCACTTGGTTAAGGTTCTGTCTTGTGGGGTTT
TCACTGTAAAGTTACTATTTTTTCCCTTTGAAATGATAAATATCCTGGGTAAGATAGTT
TGAGAGTTTTCTATTAATAATAGCCTGTTTCTTTCAAATCTTCACTCATTAAATTTAGT

60998 ACTGGCGCGTGCCACCACGCCCAGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTCTC
CATGTTGGCCAGGATGTTCTCCATCTCCTGACCTTGTGATCCGCCCACGTCAGCCTCCCA
AAGTGCTGGGATGACAGGCGTGAGCCACCGTGCCCGGCCGCAATTTAAACCACTAATA
GGCCTGCTAGTAACCTTGAGGCAAGTACTTTCCGAACTGATTGTAATAAAACGGAACA
TTTGAAATTTCTCATATGTTTCTTTTTATGCAAAAGTATTTAAACAAACCAAGTAAGC
[G, A]
GGTTGAGTTTTGCAATCTTGAATCTCTAGTGCCTGTCAATAGACTATTAGAAGTAAATTT
GGCAATGACGTGCAGCCACCAGGCTTACTAGTTCTCAGAGGGTCCCTGTAGAATTCATA
TTGGGTGTGTTGTGCTAGTATTAGAAACAAATCCTTTCTGTGCTTCAGAACAACTGCT
TATAGTCTGAAGCCTGTTTGGGACCACCAACCCCAAGAAATGGTTATTTATAGATGAGG

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GTATTTATTCGTTTTGCATGTCATCCTCTTTAGCAACATTAGGGAAATTTTCATGGACTA
TATCCTCAAATATATATCTGAGTTGTTTATTCTCTCTCTCAGGAATACCATTCAGTCT
ATAGATTTGGTCTCTTTATATAATCCTATATTTATCAGAAGTTTATTCAATTTTAAAAA
TTATTTTCTTTATTTTGTCCAACCTGAGTTGATTGGAAGAACTGGTCTTTGAGCTCTGA
[T, C, G]
ATTCTTTTCTCAGCTTTGATCCTTCTGTTAATACTTTTGATTATATTATGAAATTCCTGT
AGTCAATTTTTCAGCTCTAGAAGCTCAATTTGGTCTTTTTTAAATGGCTATTTTCATCTT
TCAGCTCTTAGATCATTTTACTAATTCCTTGGAATCCTTGGGTTGGGTTTCAACTCTCTC
CTGAATCTCCATGAGATTCCTTGTCTCCAGAGTCCACATTCTATGTCTGTCAATTCAGT
CACTTTTGATTGGTTAAAAACCATTGCTGGGGAGCTAGTGGACTTGTGAGGTAAGGG

77368 CTATTCCTGCTGCGGCCCATGAACCCACGTGACTCAACCCTCTTAGTGCTCTGAGAATGT
GGGCTCCATTCCCACTCAAGTGCCTTAGTACTCCTAGGCTATGCACTGCAGCCCTGGGGA
GAGATCAGGGTTTTTGTCTCTCCACCTTGGGGGAGCAGAGGTGGGGCTGCAGTGGC
AGCAATGGCATACAGCCTGCCAGTTACCTCAGGGGTGCCACCCCAAAGAAATGCATAGC
TATGGCTAATTTGAGTGATCAGCTAGGGATGGGGCAGCTGTGCTGTGGGCCCAAGCTTG
[A, G]
AGTAGGTGGGTGGGGGCTCTGCCTAGGGAAGACAAAAGAAGATAGTTGGCCTCTTCTC
CATAGGATGGCTGTGGTGTGCTATAGGCCTGCAACAACAATCAGGCTGTTTGTTCCTTT
CTAGCCTGGGTGTTGGGGGTGATGGGTGGTACTATGGTGGTGGCAGTGACAGAGGGCT
GTCAGTTGTCTCTGGAAGCTCCACCCAGAGAAATGCAGAACCACCTAACTGATCAGG
TGGGAGTGGCACAGCTGCTCTGGGGGCTAAGCTGGAAGGCCGTGCCAATCAGGAGCAG

78043 GACAGTTCTTAGATTCTTTACTCTCTCCCCAGCCTGAGGACAGCAGGGGCAGGGGCTGTA
GCAGTGGCAATTGCAGCAGGCTTGTGAGTTGCCTCTGGGAGCTCCATCCAGAGGAAAGA
AGAGCAATGACCAGCTGGAATGTTTCAATTGGGGTGGGGTGGCTGTGATTGGACCTTGCC
TGATGAGGTACAGTCTGCAGTTTCTCTCTCAGCACCCTGCGTGTGGTACCTATCCT
AGAGGTGCACGAGAGCCTGAGCTCCTTTGTTTGTAGGGCTATGGCAGCTGGCACCAC
[G, A]
TGCTCAGAGATCCAAGGCTCATGGAGCTCAATGTGGGCTTCAGTGGTAGCTCTGCACAGA
CTCCACAAGCTCTCTGTGTCGATCTGGAAGCCAGGGGAGCCGGGGGCTCTCCTGTGCC
CAAGATTACAAAGGTGATGCAGACATGTGGTCTTGGGGACTCTCACTCATCCTCTCATC
CTTTCCTTGAGCTGGGAGCCTCCTCTGGCTCTGCACCAATCCTGGGTGGGAGCTGTCC
TACCTTGCTCTTCTTTGCTTTCTGTGGGTGCTGTTGCTTCTTTGATGAATCAAAACATG

79395 GAGATTTTGGGTGGGGACACAGCTAAACCATATTACTTTCTAATATCCAGTCAGTTTTTT
TCCCCAAATAGTTCTTTCTCATTTTGGATCAATCATTCTGCTCTAGAACAAAAATTATTC
TCTTTTGTTTTAAACAGAACATACACATCCTCATAACTTATGCTTTTCTTACCAAAAG
CACATCTTACCTATATTGTATACTTGCATATAAAGTTGTTTTCTTATTATTTCTAGTAA
TTTTAGTTACATATTTAATTAGAATTCTTAGCCCTTTATGACCTTAATTTCTAGTGAAC
[A, T]
CTAGGAAGCAAGCAAGTGTGAATATCATGCCAGCAGTCTATAGATTGGAAAACCTGTGAA
TTATAATTCTAGGAGCATATACTTTTTTATAATACATTTTTTTCAATGTGGCACAGAAACA
TTTTATTAAAGTCCCACTGCTTTAGTCTCTCTGTAGTAAGAACTGTAGAGGAAACAA
ATTTTTATTCTATCCTGTTAGGGCTTTTTTTTTTTTTTTTCCCATCCTTCGTAAGAATGT
AAAAGTTCTGGTATAGAAAGGACATTTTTTACATGGGAATCTATCTTACCTCTATTTG

79474 CATTTTGGATCAATCATTCTGCTCTAGAACAAAAATTATTCTCTTTTTGTTTTAACAGAA
CAATACACATCCTCATAACTTATGCTTTTCCCTTACCAAAAGCACATCTTACCTATATTGT
ATACTTGCATATAAAGTTGTTTTCTTATTATTCTAGTAATTTTAGTTACATATTTTAA
TTAGAATTCTTAGCCCTTTATGACCTTAATTTCTAGTGAACACTAGGAAGCAAGCAAGTG
TGAATATCATGCCAGCAGTCTATAGATTGGAAAACCTGTGAATTATAATTCTAGGAGCAT
[A, G]
TACTTTTTTATAATACATTTTTTTCAATGTGGCACAGAACATTTATTAACAGTCCCAACT
GTCTTTAGTCTCTCTGTAGTAAGAACTGTAGAGGAAACAAATTTTTATTCTATCCTGT
TAGGGCTTTTTTTTTTTTTTCCCATCCTTCGTAAGAATGTTAAAGTTTCTGGTATAGAA
AGGACATTTTTTACATGGGAATCTATCTTACCTCTATTTGACTCTTGCTTTTAAACAATT
ATGCTTGAAATGCTCATAAAGATGAGACATTAAATAGCTAGCCATCACCTTAAGTTATTT

79992 TTTGACTCTTGCTTTTAAACAATTATGCTTGAAATGCTCATAAAGATGAGACATTAAATAG
CTAGCCATCACCTTAAGTTATTTTTCTTGCTGACAAGCTATGTCACATAGAGATAACATG
AACTTATTTTACTAAATAAACCTAGGGGAGAAGAGTTGTGCATCTGTATTATACTAAATG
CCGACAACCTCTGAAGGTATGCCTGCATTAATCAAGCCAATATACTTTTATTAGCTACTAT

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TTACCGAAGATTATCCAAGATTATGTCAACTTGAAAAATATTTTAGGTTTGTCTTAAGG
[G, T]
TTTAAGGAATACCTATTTTATATAAGCACTTATTTTCTTTAAACCAATTAAATAGTTCT
CTTTTACAACCTTAATTTTGGCAATACCATAAAGAAAAAGAAATATGTTACACATTCTATA
CATACATACTGACATATATAAATATAAACATAAAAAACAGATCTTGTAGTATTCATTTAA
AATTTTAGCCAGGTGCCAAGTACAATAACACAAAGCTCACTAATCTGGAAGTGAATTTTT
TTCTGGCCCATGGAACAAGATTACCCACCCAGATGGCTAAAGCTTTTACTGATATTTGT

81065 CTTCATCCTCTTCTCTCTCCTTTCTACTCCTCCTCTGAAGGTATTTCAGGAAGAAGATGGCA
ACATGTAGGCAATAGTCTTTCTGCCACTGGAGATGTTTTATCGTGTTCAGAGAACTAAA
TGAGATATACCAGAATCCTCGCATACTCAAGTCCCTGCAGTTGGCCCTGCAGAACCTTCAT
ATATACAAAAGCCCTTCATATATGCAGATTTCCATTCTGCAAAATATTGTATTTCCAATA
TGTGTTTGGTTGAAAAATATCAGTTTAGAAGCTGATATTATAAGCTTGTAACCTGATATA
[T, C]
TAAGCAGACCTACGCAGTTCAAACCCATGTTATTCAAGGGTCAACTGTATGTTTACAGGT
CACCTTTTCATCTGAAGGACTTTTCATGCTGCTACACAGGATGTTATAATGATCTATTGTC
AGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTGATGGCTCAACAGAAT
TCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAGGTTGAAGAATGAGAA
AGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCGCATATTTTTGAATTCC

81350 TTGTAAACTGATATATTAAGCAGACCTACGCAGTTCAAACCCATGTTATTCAAGGGTCAA
CTGTATGTTTACAGGTCACCTTTTCATCTGAAGGACTTTTCATGCTGCTACACAGGATGTT
ATAATGATCTATTGTGAGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTG
TATGGCTCAACAGAATTTCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAG
GTTTGAAGAATGAGAAAGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCG
[C, T]
ATATTTTTGAATTCACCAAGCTTTTGAACACTCTCCTTGGCCCAGAAAACTATCAGGA
AACCGTACTTGAAGCTAGGCTGCTAGTGAATGTTTGTCTACTTTTGATTTGTTACGGCCC
TGTGTAGGAGAGAAAATGCTAAGCAAATATTTGCACATTGCACTGTAAGGAAATAAAAA
TGCATTAGAAGTGAATCAGTTGACCTCATATTGTTTTCATTAGAAGTAATTTCTTTTGGAT
TGCTCTATTGCTTATAAATGTTCTTCTTTGCTATCTTAACAACAACCTCTGTCTAGTAG

81474 TGATCTATTGTGAGAAATGTTCTTTGCAACTTACAGAAACATGAGAGTACAGCTTGATG
GCTCAACAGAATTTCTGATAAACTCAAGGAGTAAAAAGAGAGAAGAAATAAAGGCAGGTTT
GAAGAATGAGAAAGAAATGATAGTCTTTTAGACAAGGAGTTAAGTATTCAATTGCGCATA
TTTTTGAATTCACCAAGCTTTTGAACACTCTCCTTGGCCCAGAAAACTATCAGGAAAC
CGTACTTGAGCTAGGCTGCTAGTGAATGTTTGTCTACTTTTGATTTGTTACGGCCCTGT
[G, A]
TAGGAGAGAAAAATGCTAAGCAAATATTTGCACATTGCACTGTAAGGAAATAAAAAATGCA
TTAGAAGTGAATCAGTTGACCTCATATTGTTTCATTAGAAGTAATTTCTTTTGGATTGTC
TCATTGCCTATAAATGTTCTTCTTTGCTATCTTAACAACAACCTCTGTCTAGTAGTCTA
TGACTAGCTTATTTTTTCCACTTTTGTCTCCCATGAATATGATAAGGACCTCTCCCACTC
TTTATGGGGCCTGTGTTTTGCTATCTGCAAGACTAAACACAGTTAACATTGAATCCATC

82037 TCCTGCAAGACTAAACACAGTTAAACATTGAATCCATCCTTTTCTTTAGAGGAACATTTT
TCAAATTATCTCTAAGTTTTTCGGTGTTTTACAGTAAATGGATCAGGTCTAAGGGTTCTC
TAAGAAAATTTAGCATTTTGACATTTTTATTTTATAGCAATTGAAATACATCAGTACAAC
CATATTCAGAAAGGCATTATGTGACACACTGCCAGGCTATTTTAGATGTTTGTCTATTT
TGATCATAGTTAGTTTTTGGCCTTAATAATAAGTATTATTATTTTACTTATTGCCAGTGA
[A, G]
TGATAGGATAGAGCTTAACTAAATGCTTAAACGATGTGCTTGGATCCCCACATAGATCCA
CAGTTATTATATTCCTTAGGGTTTTGCTATAGCTACGTAGAGGAAAGGAGAATTCAGTCA
TCCCAATGCGCATGTTACCCTGGGCATGCTGAACTCAAAAGAAGCTATACTACAGCAGCT
ATATGCACAATATAAGTGCCAATTTAGTTTCCACAAAATCATCACTTTATATTAATTC
ATATCACTGATTTGAATTTTATTGGCCGACCTTTTAAAGTTTATATGTTAAGATTCTAT

83258 TGGATAGACTTTGATTAAAGAGAGAATCTTTGTGTCAGTGATAATTACAGAATGGCACTTTT
TTATAAACAGTGACTGCTATGTATTAACCTGTTGTTAAGTGAACCTGATTTTAAACATATTA
GCTGAAAAAATATGAAAGATTATGCTCTTCATTTAGGGCCGAGATCTGGACGATAAAAT
TCAGGAATATAAACAAGCTGGAAAAATCTTTCCAGAAAATCAAATAATAGAAATGGTTTAT
CCAGCTGCTGCTGGGAGTTGACTACATGCATGAGAGGTATGTTTCAATTGCTACTGGGGGA
[G, A]
CATGATATATTTTTTAACAGTCATGTTTGAACCTTGAAAAGTGAATTTTTTTTTCTATAATTG

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AAAGAAAACAAGTTCAAAAGGTATATGGCTAAAATTAAACATCTATAATATGTTTTCCCT
TGAGAAAACGTGTTGAATGATTATATCTAGAGGATTACTTGCATAGCTTTTTGTTGCTGT
TCTGAAACTCAAGTTGGCCTTGAATATAAGACAGAAATTTGTATTAAACACATTTCATTA
TGTCTGATCATGTCTGTGAATTACAGGAAGTTCTCAGAAACCTTTGGCATCCTATGAAT

83790 ATTTTCATTATGTCTGATCATGTCTGTGAATTACAGGAAGTTCTCAGAAACCTTTGGCAT
CCTATGAATTTATTGTATCTTACAGCAGGCTTGAGTTGTAAATACCTTAGTATGCCACAA
ATGAATTTGTGGTGCCTTGAATGTGTCACTGCACACTTAGCTAGGTTACATCCCAA
AAGAGCTCAGTAATTGAGACAGAATGTATTCTTTCACCTCAGAGGGATAAGTATTAGAT
AGAAAGTCAGTTTTGATATGAAGTATCTGATAATGAAGGTCAATTATTTTGATTATCTGT
[G, A]
ATTTACATTTACAATCTCTGCCTCAAAAATGTATTTTAAACTTTTAATGAATTTTATA
GGTCAAAAGTAAGAAGTTTGAAGTTAAATATTTTAGAGACCCATAAAATGATATGAAC
ACGTTTGAAGATGAACATACATAGACAAAAAGAGTGGATATTCTGAGGTGTCTGTG
GTCGCTTTCACCTTGAAGTGGGGCGTTAACACATGGTACCATTCTTCTGAACGAAAGG
GGGTAATTTATAAGCACACCAAGGTCTAACTATCCGTGGATGTCAGGTTGCTTAAATGT

86565 GCTTGCTTCAGGAAGGTTAGATGATAAATTATATCAAGGAGAGAAGGTAACCTGGGTTAT
CAGTCAAGAACCTTTTATAATATCCATGCATGAGATTGTGAGACCTAAACCAAGCTGGCA
GAGGTGGGTAGAATGAGGAAAGATGAGAATGAAGTCAAGTTGAAATGACTGGACTTG
CAATTAAGTGTATCTGAGATGTGATAGAAGGTCAAAGATGAACCTGAGGTTTTGTGCTG
GATGAATGAGAAATTGGAAGACAGGTTTGAACAATGGTGATGAGTTAATTATGAATA
[C, T]
GCTGGGTAGAATATGGAGAGAGAAGAAGGAGAGGGAGAGAGAGAGAATGAGAATGAG
AGAAGGAAGTTAGAAGTGAGGCTCTGGATCTTAGGGAACCATCAGGCTTGACTTTGTTT
GGGTTCTACAATATCAGAGCCCTGAACAAAGACTAGGGTACAAATAGAGTTTTAGGAG
GTAATCTTAGAAATCAGAAGCCAATAAGTGGGAAGAGTGAGAAGGAGAAGCCAGAAAAGC
TGTGCAGAATGCATGGTTGAAGTGTGGCTGCTGTGGGTAGAGGGATGCAGAGGCAGGAC

86707 ATGAGAATGAAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
GATAGAAGGTCAAAGATGAACCTGAGGTTTTGTGCTGGATGAATGAGAAATTGGAAAGA
CAGGTTTGAACAATGGTGATGAGTTTAATTATGAATATGCTGGGTAGAATATGGAGAGA
GAAGAAGGAGAGGGAGGAGAGAGAGAGAATGAGAATGAGAGAAGGAAGTTAGAAGTGAGG
CTCTGGATCTTAGGGAACCATCAGGGCTTGACTTTGTTTGGGTTCTACAATATCAGAGC
[C, T]
CTGAAACAAAGACTAGGGTACAAATAGAGTTTTAGGAGGTAATCTTAGAAATCAGAAGCC
AATAAGTGGGAAGAGTGAGAAGGAGAAGCCAGAAAAGCTGTGCAGAATGCATGGTTGAAC
TAGTGGCTGCTGTGGGTAGAGGGATGCAGAGGCAGGACTCTTCTAATAGTGTTTTAAAGTT
TTGAGTTTCTCTCCTGCATTTCTTCTGAATTTTGGGGAAAAAAGAAAAAGCAGGCC
GGGCACAGTGGCTCAGCTCTGTAATCCAGCACTTTGGGAGGCCAAGGCGGGTGGATCAC

87243 AGGCCGGGCACAGTGGCTCACGTCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGGTGG
ATCACAAGGTTAGGAGTTTGAGACTAGCCTGGCCGACATAGTGAAACCCCATCTCTACTG
AAAATACAAAAAATTAGCGAGGCATGGCGGCAGGCACCTGTAATCCCAGCTACTTGAGG
CTGAGGCAGGAGAATGGCTTGAACCTGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGCAC
CATCGTATTCTAGCCTGGGTGACAGTGCAAGACTCCCTCTCAAAAAAAAAAAAAAAAAAAAA
[A, -, G]
GCAATCTTGCTTAAATATAACTATTGTTTTCTAGCACTATTGTGAATTTCTCTTGA
ATTTCTTGATTTCTGGGAATTTGGAGTGAGGAGGGGAGGAAGTTGGAGTGAGGAGGGG
GAGGAAGTTGTCTTCATCTTGATCCAATTTTGAATGGTTTTTAAATGGAGCAGTTATAT
ATATATTATTCTGATTGTAAATGTATAATCTATGTTTCACTTCTGTTGGTTTTTCAGTAT
TTAATTTAGTATAAAACATGTTTCTTCAAGAAATAAACTTATTTATCTTAATTGTCTGA

87243 AGGCCGGGCACAGTGGCTCACGTCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGGTGG
ATCACAAGGTTAGGAGTTTGAGACTAGCCTGGCCGACATAGTGAAACCCCATCTCTACTG
AAAATACAAAAAATTAGCGAGGCATGGCGGCAGGCACCTGTAATCCCAGCTACTTGAGG
CTGAGGCAGGAGAATGGCTTGAACCTGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGCAC
CATCGTATTCTAGCCTGGGTGACAGTGCAAGACTCCCTCTCAAAAAAAAAAAAAAAAAAAAA
[A, G]
GCAATCTTGCTTAAATATAACTATTGTTTTCTAGCACTATTGTGAATTTCTCTTGA
ATTTCTTGATTTCTGGGAATTTGGAGTGAGGAGGGGAGGAAGTTGGAGTGAGGAGGGG
GAGGAAGTTGTCTTCATCTTGATCCAATTTTGAATGGTTTTTAAATGGAGCAGTTATAT
ATATATTATTCTGATTGTAAATGTATAATCTATGTTTCACTTCTGTTGGTTTTTCAGTAT

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TTAATTTAGTATAAAACATGTTTCCTTCAGAAAATAAACTTATTTATCTTAATTGCTCTGA

95967 TTTTCAAGGTAACCTCACCCCTGAGCCAGGTGTAGGCACACTCCTGATATGCTGACAGTG
GCCAATAGTTTGTAGGAAGACCTGACCCCTGCTTCTGACTTACAACATAGAGGACTCATTGT
GTTAGTGAGGGGAATGAGACTGATGAAGAAAGGCAGGTGCCTCAGTGCCCAGGACAGGGG
CCACATGGCAAAGACCAGTAACAGGAGTTGCCTGGGTGTGCATCACAAGGAGCCATTG
GCTGTGCCAGCACCTTTGGCAAGAAGAGTTTGTGATCCACCCTGAGAACCTGCTAGATGA
[A, G]
GGATAGACCTCCAGGGAGGGTTTCATATCATAAACTGTTTCATATTAGGGCTTGAGGGGAG
GTGAGAGGAATTGTCCATACCTTCTCCACAGTTCTACCTTGGGCTGGAGGCCCTGAGAAAT
GCTGAGCCCTCTGTACCTCCACAGACTGTTCTTCATCCTAGCATGGGCCCTGGATGCTGGG
GAAGAATGACCTGATGGGGAGATGGAGATGGGATTTTATAGCATGAATTTGAACCAGAAAC
TGTCAGCAAATCTTAACCAGATCACTTGGGTGTCATGAAACATAGAAATGAGAGGGACCC

96374 GAGGCCTGAGAAATGCCTGCCCTCTGTACCTCCACAGACTGTTCTTCATCCTAGCATGGG
CCCTGGATGCTGGGGAAGAATGACCTGATGGGGAGATGGAGATGGGATTTTATAGCATGAA
TTTGAACCAGAAACTGTCAAGCAAATCTTAACCAGATCACTTGGGTGTCATGAAACATAGA
AATGAGAGGGACCCACCCTTGAACAGATATGGTATGGTGCCTTGGAGATAATAGATGGA
GAACTGTGTTGAGCTTTTGAAGAAAGATTTTCATATAAACTTTATGCTGTTACCTTA
[T, G]
TATTTGTTGGATTTTCATTTTCATATACTTCAAAGGAATGGATATTAGCCAAACATAGGAT
AAAATTATGCTGGCTCATTTTGGCTTACTGTAACCACAAAGCCAATACATTACGATTTT
TTTTTCTCCTGAGACGGAGTCTGCTCTGTCACCTAGGCTGGAGTGCAATGGCATGATCT
CGGCTCACTGTAACTCTGCTTCCAGGTTCAAGCAATTTCTCCTGCCCTCAACCTCCCAAG
TAGCTGGGATTACAGGCATACGCCACCATGCCCGTCTAATTTTGTATTTTATAGTAGAGA

100283 ATGCTACTTGTGGATTTTGTGTTTAAATCTGCTTGGGATTTCTTTGCTTCTGAGCTT
GTGAATTCATGAAAACCTCTAAATCTGAAAATACCTCGTCATTCTCTTTGAATTTTG
CTTCTCCCTATTCTCCTTTTACAATGCTTAAAGATGTATGTTAGACCATCACATTCTGT
TCTTCATTGCTATGCACTCCTTCTAGGAATCCATTTATATATATATAGAACTTTAAGCC
TGTATTTTCAGATGCTCTTATACCTCTTTTCTATGTTTTCTTTTCTTTCTTTCTTT
[T, C]
TTTTTTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCAGGCTGGAGTACAGTGGCGC
GATCCTGGCTCACTGCAACCTCCGCCTCCCATGTTCAAGCAATTATCCTGCCCTCAGCCTC
CTGAGTAGCTGGAATACAAGTGCTGCCACCATGCCCGGCTAATTTTGTACTTTTAGC
AGAGATGGGCTTCATCATGTTGGCCATGCTGGTCTTGAACCTCCTGACCTCAGGTGATCCA
CCCACCTTGGCCTCCCAAAGAGCTGGGATTATAGGCGTGAGCCACTGTGCCTAGCCTTTT

101074 GCACTCCTAGTGCAATATAAAATATATATATATTTTCTATATAGAAAATATATAGAATCT
AGCTCTCTATTGAAATCTCCATGTGTGTCAGTTATTTTCTTGAGCAATAATCACAGTTAT
TTTCAAATCCTTGTCCAATAATTTCAATAGGTGGATCACTTGTGTATTTATTTCTATATC
TCTTTTTTTCTTTTGGTTTTTAATCATTTGATCTTATCTTTTGGTATGCCCTGGTAGTTTT
TGAGTGAATGCTGAACAATATATGTGAAATATTGAGAGATGTTAGATGATATTACTTTTC
[C, -, T]
CTGCCCTGACAGTTATATTTAGGGCAGATCACCTTGATCTAATGAGGAAGTAAATAGTTT
AACTGTAGGCTGTAGGCTTTTGGAGGTTGGTCTATTTTCACTTTGCCTTTATTTCTATG
AAGAAGTTTTTCAGAGCTTTCAAGGTTTGTAGTTTTTTACTAAGATACCTCTTCCT
TTGTGGACCCTGAAATCCAAGTTTATTGAATCTACTCAAAGCTCTGATTAATAATTTAA
ATAAACTTTATTTTTTAAAGCAGTTTGTAGTTTACAGCAAAATGAGTGGAAGGTACAGA

103767 ATTTTATTAGATTTATACCTAAGTGTTTCATTTTCAAGGGTACTAATGTAAATATAGTTTG
ATATAAATGTCAAATTTCTACTTGTTCATTGCTGGTATATAGGAAAGCAATTGATTTTTGT
GTATCAACCTTGTATTCTGCAACATGTCAGAAATTAATTACTTGTAAATCCAGGAGGTTT
TTTTAATTGATTCTTTTGGATTTTCTACTTAGCTGATCATGTCTGTAAACAGAGAGT
TTGTTTTTCTTTTCCATCTCTATTCCTTTTACACTTCTTTTCTTGTTTTACTTAATT
[T, A]
GGTAGGACTTTTCAGTATAATGTTGAAAATAAATGATTAGAGGGGACATTTTCCCTTGT
CCTGATATCAGCAGAAAACTTCAGGGTTCTCATTGTAAAGTGTGATGTTAGCTGTAGGT
TTGTTATAAATATTCCTGTTTCTAGTTTATCAGAGTTATTGTGATGAATGGGTATTGGAT
TTTGTCAATTGCTTTTTCTGCATCTATGATTTTTTCATGTGATTTTTCTTCTTTATTCT
GTTGATGTGATGGATACATTAATTGACTTTCAAGTGTTAAAGCAGCCTTGTCATACCTAGT

104082 TATAATGTTGAAAATAAATGATTAGAGGGGACATTTTCCCTTGTTCCTGATATCAGCAG

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AAAACTTCAGGGTTCTCATTGTAAAGTGTGATGTTAGCTGTAGGTTTGTATAAATATT
CCTGTTTCTAGTTTATCAGAGTTATTGTGATGAATGGGATTGGATTTTGTCAATTGCCTT
TTTCTGCATCTATTGATTTTTTCATGTGATTTTCTTCTTTATTCTGTTGATGTGATGGA
TACATTAATTGACTTTCAGGTGTTAAAGCAGCCTTGCATACCTAGTATAAAATCCCACCTG
[T, G]
TTGTGGTGTATAATTCTCCTGACACAATGTTGGATATATATATGTATATTTTTTGGACAA
CATCTCGCTCTGTACCCAGGCTGGAGTGCAGTGGGGTATCTCAGCTCACTGCTACCTC
TGTCTCCCGGGTTCAAGCGATTCTCCTGCCACAGCCTCACAAGTAGCTGGGATTACAGGC
CCCTGCCACCATGCCAGCTAACTTTTGTATTTTAGTAGAGATGGAGTTTACCGTGTT
GGCCAGGCTGGTGTGAACTCCTGACCCAGGTGATCCACCCACCTCGGCTTCCCAAAGT

104473 AGTGGGGTATCTCAGCTCACTGCTACCTCTGTCTCCCGGGTTCAAGCGATTCTCCTGCC
ACAGCCTCACAAGTAGCTGGGATTACAGGCCCTGCCACCATGCCAGCTAACTTTTGT
TTTTTAGTAGAGATGGAGTTTACCGTGTTGGCCAGGCTGGTGTGAACTCCTGACCCCA
GGTATCCACCCACCTCGGCTTCCCAAAGTGCTTGGACCACAGGAATGAGCTGCCACGCC
TGGCCTACAATGTTGGATTGATTGCTAATATTTAGTGAGGATTTTTTCATCTACATT
[T, C]
ATCAGAGATACTGGTTTTTAGTTTTCTTTCTTGTAAATGTCTTTGTTTGGTTTTAATGTT
AGGATGATGCTGACATCTTAAATGAGTTAGGGAGTATTTCTCTGCTTTTATTTCTGA
AAGAGATTATAGATATTTGGTGCAATTTCTTCTTAAATATTTGGTAGAATTCGCCAGTG
AACCCATCTGGGCCAGTGTTTTTATTTGGAACTTACTAATTATTGATTGAATGTATT
TACTGAAGATGGGCCTATTTGATTGTCTACTTCTTGTATGATTTTTTGGCAGCTTGTGTCT

105573 TGTTTAGAAGTGTGTGGTTTTATATTACATATTTTGGGATTTTCCAGTTATCTTTCTGT
TATTAATTTCTAGTTTGATTCCATTTTGATGTGAGAGCAGAAATGGTATGATTCTCTTC
TTTCAAATTTGTTAATGTTTTATGGCCTAGAATGACTTTCAGTTTCTTTTTGAATAATTC
GCAGGGATTTTTTTTTCATTTTTATGTGAGCTCAACTGTGCATATATGAAGATATTTGTAT
ACTTTATTCGGCATTTTAGTTTTTTTATGCAAAGATTTTCAAGTTTTCTAGTTCTTTATA
[A, G]
TTCCATAAAATAAAGGTCTTAACTGACATAATTTACATTACTGACTTATAGTCAGATTTA
ATAAATGTTACCTATTCTTAAATATCATCAACAACGTATTATTTTCAACAAGTATATAAA
ACTTGGACATTTGGGTAATAATAGATTACAACTGGTCTATCAATTGAGGATATGGTTAC
TGGATATAGTACTATGTAGATTATGCTACAAAACATAATAAAATATAGCCTATTGAAAT
AGTTGAAAGCATATCACCGTTCTCCAACTACATGTTCCCAACCTTTAAATCTTTATT

105668 AGCAGAAATGGTATGATTTCTCTTTCAAATTTGTTAATGTTTTATGGCCTAGAATGA
CTTTCAGTTTCTTTTTGAATAATTTCGAGGGATTTTTTTTCATTTTATGTGAGCTCAAC
TGTGCATATATGAAGATATTTGTATACTTTATTCGGCATTTTAGTTTTTTTATGCAAAGA
TTTTCAAGTTTTCTAGTTCTTTATAATTCATAAAATAAAGGTCTTAACTGACATAATTT
ACATTACTGACTTATAGTCAGATTTAATAAATGTTACCTATTCTTAAATATCATCAACAA
[C, T]
GTTATTATTTTCAACAAGTATATAAACTTGGACATTTGGGTAATAATAGATTACAACTG
GTCTATCAATTGAGGATATGGTTACTGGATATAGTACTATGTAGATTATGCTACAAAAC
ATAATAAATATAGCCTATTGAAATAGTTGAAAGCATATCACCGTTCTCCAACTACATG
TTCCCCAACCTTTAAATCTTTATTTTAAACTTTTGTTCCTCAGGGAACTGGAAAGT
ATTGTGGCTTTGTAGCTTTTAAACATTGAAAGATATATCTATGGGAGTATATATTATGT

106657 AGGTGTACAAATTTACCACATATTTGATAGATTTTTCAAATATACTTTGAGTTCCCTGTT
TCATGCCAGGCACTTTACAAGTTATTAGAATCATTTTACTGGTTTGATTAGTTACTACAG
GTTTCTCATTTTATATTATTTTATCACAAGCAATAAGTGTTTATAGATAATGAAAATGTTG
ATATAATGGCTTTATTAACCTTTAGTTCTTCAGAAGTGTACCTCTCCTCATAACAGCTAC
TGGATCATCTAATCATCATATAGGGTGTACTTGGGGAAGGAAGGAAGGAAGGAATAAAG
[T, C]
GTGCAACTAGTTAGGCAAGTATTAATAAGCTGATAGATTCAAATTTTTATAGTCATGTTCT
TTAAATAGTCTCAGATCTTTTCTTTAAACGCTCCATTATTGTAATTTAAGAACAAATT
CTTCTCCCCTCAGGTGAAATGTATATCATCTTATTAGTTTTCCTCAAAATCATTCTGTT
TGCCATTATTCAGACTTGAAATAGCTTTTTTATATCAAATGTCTAGTTTCCCATAAATCC
AGAAATAAGAATTTAGCTTACATAATTCACCTTCTCTGGCTCAAAGTCTTCTTCTCTCT

106855 CCTTTAGTTCTTCAGAAGTGTACCTCTCCTCATAACAGCTACTGGATCATCTAATCATCA
TATAGGGTGTACTTGGGGAAGGAAGGAAGGAAGGAATAAAGTGTGCAACTAGTTAGGCA
AGTATTAAAAGCTGATAGATTCAAATTTTTATAGTCATGTTCTTAAATAGTCTCAGATC
TTTTCTTTAAACGCTCCATTATTGTAATTTAAGAACAAATTTCTTCTCCCCTCAGGTGA

AATTGTATATCATCTTATTAGTTTTCCTTTCCAAAATCATTCTGTTTGCCATTATTAGACTT
[G, T]
AAATAGCTTTTATATCAAATTGTCTAGTTTCCCATAAATCCAGAAATAAAGAATTTTAG
CTTACATAAATTCACCTTCTGGCTCAAAGTCTTCTTCTCTATAAACTTATGTTTTTA
AACTATTTACCAGCGTTGTATAATTTAAGATATATTACTTTTCTTCTGTTAAATGC
TATGAACCATTGCATAATAAATGGTCAAATTAGGCACTCATTAGTTGTTAATTTCCAG
GGCTAATTTTCTGTTGGCTTAAAGTATTATAAAATTAATTATTATTTCAGGAGATTT

106957 TGTGCAACTAGTTAGGCAAGTATTAAAAAGCTGATAGATTCAAATTTTATAGTCATGTT
CTTAAATAGTCTCAGATCTTTTCTTTAAAACGCTCCATTATTGTAAATTTAAGAACAAAT
TCTTCTCCCTCAGGTGAAATTTGTATATCATCTTATTAGTTTTCCTTTCCAAAATCATTCTGT
TTGCCATTATTAGACTTGAAATAGCTTTTATATCAAATTGTCTAGTTTCCCATAAATC
CAGAAATAAAGAATTTAGCTTACATAATTCATTTCTGCTCAAAGTCTTCTTCTCTCC
[T, -]
ATAAACTTATGTTTTTAAACTATTTACCAGCGTTGTATAATTTAAGATATATTACTTT
TCTTTCTGTTAAATGCTATGAACCATTGCATAATAAATGGTCAAATTAGGCACTCAT
TCAGTTGTTAATTTCCAGGCTAATTTTCTGTTGGCTTAAAGTATTATAAAATTAATT
ATTATTTCAAGGAGATTTTGGAGTTTCTCGACTTCTAATGGGATCCTGTGACCTGGCCAC
AACTTTAACTGGAACCTCCCATTTATATGAGTCTGAGGCTCTGAAACACCAAGGCTATGA

107957 TTTCTATATTTTTTCTTTTGTACTTTTAAAGAATTTACTAAAGATATTGGCTTTAAG
GATAAACTATTTTTTTTTTTTGAATGGAGTCTTGCTCTGTTGGCCAGGCTGGAGTGCA
GTGGTGTGATCTCAGCTCACTGCAACCTCCACCTCTTGGGTTCAAGCGATTCTCCTGCCT
CAGCCTCCCTAGTAGCTGGGACTACAGGCTCCACCACCACGCTGGCTAATTTTTTGTA
TTTTTAGTAGGGACGGGTTTCACTGTGTTAGCCGGAATGGTCTCAATCTCCTGACCTCAT
[G, C]
ATCTGCCTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCGCCAG
CTAGGATAAACTAAATTTTAAATTTCTGGATTTTCACTGACAGATGCATCTGAGATGTC
TCAGTTTCTCTGAGCTCTTATATTAAAGGAATTTCTCCTTCTTGTATGGAACCTAAGTG
AAATCTCACTGCAGAGCCATGTGGAAATTTGTATTAGTATGTTCTAGTGTAAGCAATA
GATCCTATTTCTTTCTTAGAAGAGGAATCTTATTATATACTTTTCTGCTTGTGAGGG

108454 GCCATGTGGAAATTTGTATTAGTATGTTCTAGTGTAAGCAATAGATCCTATTTCTTTTC
CTTAGAAGAGGAATCTTATTATATACTTTTCTGCTTGTGAGGGTTGAAAGAACAATCTA
GCTGAGGGCTTGTAAATTAAGTAAATAATTACTGTATGCAAATCAACATAAATAGTTCTG
AGCTTTCAAAGACAAGCAGTGTAAAGATGTGCTTACTTCACTCTTCTAAAGAAGACAAA
GTAGAAAATTACATTTTCTGTTAGGGAAGTGAATCACACAGGGGATATTGCTTA
[G, T]
GATTTTCACAAGGGTCATTATCTGTTCTTCTGTTCTCGTGCCTACCAAATGGGAGAGAACA
TTGTCAAGATTAGGTCTGGGTATGGCAATCCCCATGAATCCCGTCTTCAATTCAGTC
TTGCAATTGTTCAATTTCTAAATTTATTCAGTGTTTTTTTCATCATTGGCTTACTTCTGCC
CTGGAGGTCTTTTCCAATTCACCTATCATCTTCTGCTTCTTCTTCTTCAACCCCTTAA
CTACCACATCCAAAAGAAAAGAAAACCAACCAATAAAACCAACATCACAAAGGTA

109894 AATTTCTATTGCCAAACCTAAATGGAAATAATAAGAGAGAACTATTAATTATAGTGTCA
GATACATACGTGTGATGAGTAATCTTTAGTAGACACTCTGAGAAAAATTAGATTGAATGA
GGTTGAGAACCTGTCTCTGAATCTCAGTGTGTAGCATCTGTTTATTGTGGAATTTTTTTT
TAGGATTAGAAACCTTATGAATAATTGACAGGTGTTTTGTTTTAGCACTAATAGCTGTA
CATATTATATTTATAATGCTTAAAGGAGAATTTGCTTAAAGGAGAATTGGCCTAATACTA
[G, A]
TTATGTTTTCTATCTGTAATGTTTGGCCATATGTAACATTATCTTCATTCTGCAATCTGTT
AACTTTTCTGGCTTCATTTATTTATAGCATTGAGTACAGGAAGTCTTCTCTTAAAGT
GGGTTAGGTTCCAAAAGTTTATAAAGTTATTTGCAAAGTTAGGATAAATTAGGTTTACTGA
GAACAATGCTTTGATCACAGCTGATTTGTATAAGCAATTTGTAATACTCTTATACCCAC
AGGAGAAATACAAATATGAGTTGGGTCTTAGGCCAGCTCATTAAATTGATTTAACTAT

110467 GCCAGCTCATTAAATTTGATTTAACTATGAATATTTAGAGTATGTTATTTTGGTAGGAGA
AACAAATAAAGGACAATATTATTTGAATAATGGTACTGCAATTAGACAGAAAGAAAACAA
TATTTCACTGTTGGTCTTATTTACTTTGTTGTGAGAACCAACAGATGGCTCTTTGATC
TTGTAGCCCCCATATCTTTGGGTGATATAAGTAAAGGGAACAGTGGTGGGAATAGTGGC
AACATCTAGAGTGTACTGTGAAGCTCTCAGGGTCTTCTCAGAAATTTGGTGTGGAGGTT
[A, G]
GTTGGGTGGGGACAGAGAAGGAATCTAGTTTATGCCCCAACATTGGACTCAGGCTTTTCAT

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GTCTTAAGAAATCTTTGCCTACTCCAAGATCATGAAGATATTCTCTTGTTTTCTTTTAA

124748 AACAGTCTAGGATTTGGAAAGATAAATGCCTTAATTCAAGAGTCAGTTCTACCATTACT
ACCTATGTGACCTTGGCCAAGTCATTAACTTTTCTGAGCCAATTTTCAATCTATAAAAA
TGGGAAAAATATTACACGGGCTCTATTTCACTGGGAAGTTATAAGGGATTGTTGAGATAT
TGTCAGTGCTTTGTAAATGTAAAGTACCAGTCAGCTCAGTTGGAAATATTTAGTGTTAT
TATTTACTGGAACAGAAATATTCTCAGTGTACATATCCAAAATCTCTTACAAATGCACA
[T, G]
TTTCATGAGTACCCACAAAATAGTTCATGGTATTATTTCATGTATTTATTTCTGTCTATC
CTTTGTTGTATTAAAGACATTGTTAAAGTTACATAAAATGTAACCTACACAAGGTCAAT
CACAAGTTTATTTCTTATCTTTCAAGTGACTAACATGAAAAGGAAAACTGGACAGTTAC
ATAATTCATAATGTCCATAAGATAAAAAATAATTCATTATTTCAGGAGAAGTGCCATTATTT
CTTAATACTAAGCTCAGACAGGAATTTCCCTTTTCAGTTTTTTTTTTAATGATGTAGAGTT

127581 CAACCAGCCATGTAAAGAGCCTCAGAAACAGTGTTTGAATCACAGGGAATAGCTGGCACA
GAGAGGTCCTGATTATGTTGTGCCTTGGAGGTAGGTACAAATGGGAGGGTTCTTATGCAA
GCATATGCTCTCAGGGAAGCCCATGCGGTCTATGGGGAAGGCTAGACAGGAGAGGGAGGCA
GGCTTAGGTTTCTGATACTTCCAGCTCTCCTTCTGTGCAGGCCAAATGGGATCCAGTAG
AACCTGCAGGTGGTCTCTGGAAGAGCCTCATATGCTGGTTGTGGGGATCAAAAACACA
[C, T]
TGAAGAGGCTTTGAGCATTCAAAAAAAAAATGGGTCAAAGGTATTTCACAGGGATCTGCT
GGGACCAAGATGAGGCAAGTGAGGCCCTTGACTCTGGGGCAAAGTTAAGGGGACACTAA
AATTCATAATCAAGATAAGTAATATTTTAAAAATCCAGATTAATGCTTAAATCCCAGGT
AACAAGATATTTAACACTTTAAAGACAGAAATCCAGCAGGGCCAGGATTAGGGTGAGGTAAG
TGAGGTGGAATTTGTGCAAGTTCAGGGTTGGATCCTATCTTTAAAGTTTGTCTATTGTATT

128202 AATTTTGATTTTAAACAATAATGTTTCATTAAAATTATTTATCTTGCTACTGAGTTTTT
GGTGCCCTCTTAGATTTTGTGCCTGAGGTATCTCACTTGCCCTAAACCTTGCACTGGCCCT
GGGAGTGTAGATACTGTCTCTACAGTCTGGGAGGTGGAAAAAGCTTGTGTCTTCTTGT
AGCTGAAAGTAGGCCTGCCATGATTGGCAAAAGGGAGTGAGAGAGCAAGCAGTGCAAGA
TGAAGCTGGAGAGACAGGCAGGAGCCTGACCCTGCAAGATCTTCTTGGAAAAGCTACATG
[T, G]
AATTTTACATAACCCAGGGAAAACCTAGCATGCTTTGTTCTCAGGCTCCCTGCCATGGTCA
AAAGCACCCCAATCTGAAAAGATTCTTGGTAATTTATTCCTTTTCATCCCTAAAGAGGA
GCCTTTAAGATATGTGAGGTTGATCTTTTTTTTCAGAACCTAATGTGTAGATATTCAGAA
ATGACTCTGGAAGACAAAAATTTGGATTGTGAGAAGGAGGCTGCTCATATAATTAATGCC
ATGTAAGTAATTGCTTTGTTTTTAAAAAGCCCATCGAGTGTAATGTTAAATGTATTGT

128496 TACATGTAATTTTACATAACCCAGGGAAAACCTAGCATGCTTTGTTCTCAGGCTCCCTGCC
ATGGTCAAAAGCACCCCAATCTGAAAAGATTCTTGGTAATTTATTCCTTTTCATCCCTA
AAGAGGAGCCTTTAAGATATGTGAGGTTGATCTTTTTTTTCAGAACCTAATGTGTAGATA
TTCAGAAATGACTCTGGAAGACAAAAATTTGGATTGTGAGAAGGAGGCTGCTCATATAAT
TAATGCCATGTAAGTAATTGCTTTGTTTTTAAAAAGCCCATCGAGTGTAATGTTAAATG
[T, C]
ATTTGTCTTTAAAAATCTATTAGCACTAACTGACTGCATCGAGTATCCTAGAATTCAC
TAAGTCTTGCCAAGAAATTAAGGAGCTTCAGGAACCTTGGTGTTCAAAAGCCCTTTACCCC
AGGTGGTAGCAAAATGAAATCATGAAAGTTTAAACCACTGCACAGCTTACAGATCTGCAG
GGTAGCTCTGCAGTTGCCTTGCAAGGATATAGAGAAGTTAATATCTCAAATATTTAGTAA
CATTTATGCTAATGAGCCTTCATAATAACCATAAATGGCTTTCACATGTTGTTTGT

130108 AAGTGTGCCAGTCATCCCTGTCTATCTGGCTGCCTCTAGTCGGCCATCTTGCCCCTTCCC
TCATGCTAAATTTTATTGATTGTGTCTTCTATTCCAGGCTTAATACAGTAGATATTTTTT
GCTGAGGTATGGTGTAGTGGTTAATTGCACAGATTAATAACACTCTCTCAATTCAAATTC
TAGTTCACAGGTAATACTCTGTATTACTTTGGACAAGTTACTTAACCTCTCTATGACTAT
AAAAAAAAGTACCTACTTCATAGAGTTGCTCTGCATTTAAGTGAGTTAATTCATGTAAG
[T, G]
GCTTACAAGCATGGGGTTATTACCTGCTAAAAATGTTAGCCAATGTGATTATTTAGCCTCT
TTTTTCAGTTAAGGAAATATGCTTAACATTAATCATACATTGAAAGATGTTTATGTGCTGG
TTGTTGGGATCGAAAACACTGAAGAGGCTGTGAGCATTCCACAAAAAAGAGTC
AAAAGGTATTTCACAGGATCTGCTGGGAGGAGGATGAGGCAAGTGAGGCCCTTGACCCTG
TGGCAAAATTTCAATGGGACACCAAACTCAGAATCAAGATCAAATTTAATGCAATATT

132240 GCACCTGTGCTAACACCACCAGCAGGACCACATGCACAGTTGCCAGTGAGGGGCC

FIGURE 3, page 125 of 141

CGGCTCCCTGAGCCATTCTGTCTCTGCTGCTGCTGTGAATGCCCACAAGGAGACAGGCAC
CCTGACACCTGCTAGCACCCCTCCACAGCTGACAAGTCTGCACCCCTCCACACTGCCACT
CCACCACCACTGCCGCTGCTGGCACATGCAAGCAAGGATGGATCTGCTGCCACCATCCTA
CAAAATGGTATGGCTGGCACCATCCATCAGAGTGTAGTGACCAGCTGTCCAGGAGCACAT
[T, A]
GGCCCCCCCAGCGCAATGAGTTGACGACCTTGAGGAGCCAGAGAGCAAAATTGGGGCCCCA
GTACAAGTCTCCAGAGTTAGAGCACACAGCCCAGGAGCTGGGAGCTGAGCACTGGCTGC
CTAAAATTTTCCAGAAACAAAACCACTCTACTGAATCCACCTTATAACACAATCAAACCC
TCAAAGTTATCAAGTAGAATAAAAGGAAAAACATCCAAAGGATAGCATCTTCAAAGATT
GAAGGAACCTTCAGCCCACAAAGATGAGATAGAGCCAGTGCAAGAACTTCGAGAACTCAA

133120 GGCTCATGCCCTATAATCCCAGCACTTTGGGAGGCTGAGGTGGGTGGATCATTTGAGGTCA
GGAGTTTGAGACCAGCCTGGCCAACATGGGGAAACCCCATCTCTACAAAATACAAAAGT
TAGCCAGGTGTAGTGGTATGTGCCTGTAATCCCAGTTACCAAGGAGGCTGTGGCAGGAGA
ATCGCTTGAACTGGGAGGCGGAGGTTGCAGTGAGCTGAGACAGCACCATTGCACTCCAG
CCTGGATGATGGAATGAGACTCCATCTCCAAAAAAGAAATGCAATCTCAAGTATTAG
[C, T]
ATCAGAATGGACCTAGCTGAGGAAAGAATCTCAGAGCTTGAAGACTGGTTTTCTGAAATA
AGACAGTCAGGGAAGAATAGAGAAAAAGGAATGAATAAACCTCCAAGAAATATGGGATT
ATGTAAAAGAGGTCAAATCATGTCCCTGAAAGAGGTGGGGAAAAATGAAGCAATTTGGAA
AACACAGAAATACATTGCATAGAAACATAGAAATTTTCATCCATAAGAACTTCCCCAACCT
AGCTAAAGAGGTCAACACTCAAATTCAGAAAATGCAGAGAGCCTCAGTAAGATACTTCAC

135891 CCCAAAGCTTATTAGTTTTTGCCTGGCCTGTCTCAAGATGCTTTTGCTCTCAGTAGTGTA
GTGATACTTTTATAAAATATTTGTTTAAATTTTCTGAACATGTTTGGGATGGGCTATATG
AGGGGAATCTTTGTTATTTATAGGCAAAAAGGATCCACCTGCAGACTCTGAGGGCACTG
TCAGAAGTACAGAAAATGACGCCAAGAGAAAGGATGCGGCTGAGGAAGCTCCAGGCGGCT
GATGAGAAAGCCAGGAAGCTGAAGTAAGCTGCTTTTCTTTAGGCACTCATGCTCGGGAC
[T, C]
ACTTCTCAGGGCTCTCAGGGAATTTACAGAGAAAAGCAAAAACCAAAACAGGAAACCCCA
ATGCATACGATTATGTATTTATGTGTTTATTCATTCACTTGTTCCTCCAAGATGATTAT
TGAGCCATAGATTGAATGTCAGGTGCTATTAATATCAGGCTTTTCAGTCTTGTGTGAAGG
AAAGATTAACATTTTGGGAGGTTATTAGTGATGAAAATAGGGTCAGTTTCCAAACGAAAT
CTCATTGTTGTTGACAGCTTCTGCACATACCCAGCAGGAGACATCACTGTTTCACCCGG

136385 TTGGGAGGTTATTAGTGATGAAAATAGGGTCAGTTTCCAAACGAAATCTCATTGTTGTTG
ACAGCTTCTGCACATACCCAGCAGGAGACATCACTGTTTACCCGGATTCCCTAGGTGC
TTGCTGCGTACCTTCTACCAGGAGACCTCACTTATTTATAGGAAGGAGACTTTATTGGCA
GGAAATTGTTAGCTTTTGAAGAAGTAGACTGGAAACAGAGCTCTGTTCTGTCAAGTGAA
GCATTTAGAAAAGTCTATGCTCAGGGCGATGTTGCTGGTGGGAGATATCACTAGTAATTA
[G, C]
AGTATTTACATGAAAAGTGAAATTTTCAGGTGTTAGCCAGGATGTAGAGAAAAGGGAACC
CTTGTCAGTAGTGGTGAGAATGTAATCAGTACAGCCATTATGGAAAAATAGCATGAAG
ATTCTCTTAACATTAATAAATAGAACTACCATATGATCTGGCAATCTACATTTGGACT
TATATCCAAAGAAAATGAAATCAGTATATAGAAAAGATACTTATACTCCAATGTTTCATTG
CAGAATTATTACAGTAGCCGAGATATGGACTCAACCTACGTATCCATCAACAGATAAGG

137408 ATCTAAACATTTTTTGTCAATTAAATTTTAATAAAGCTGAAAAAATACATGTATAAAAA
GGAATTTCAAAGAGGCTTAGAGCCTCAATTTCTGAAAGACTGATTTATGTGTTGGTAGGT
TATCAAATTTCCAAATTTTCTTATTTTTTCTCCTCTGCCAATATTTTGGTAGTTTAGG
AGCCCCAATCAAGAACTAGAGAGACAGAAAGAACCTGAACACAAATCTACGCATTTTGT
CCCTTGTTAATTTATCCAAAAATGATTTAGAGGTGTCCTTGTACTTAGAATGAATATCA
[C, T]
GATAAGCCAAGTAAGAATCTATGAGTCTATTTCCCGTAACATTTGCTTTCTTTAATAAA
TTGGTAGAGAAAGATTTCCATGAAAGTACATTGTGAGCAGTGGTGTGCTGGTAAATATTT
AACAACCAGCTCTGGGTTTGAAGGGGACTGCTTATTTGTTGCTGATTTCTGTGATATA
ATACTTCCACTGTGGCCAATATCAAGCTAACAAATATGATACCATTTAATATTCAAGTTGGG
AAGATATTTACACAATCTGCTCTTGAGCCAATACAAGTTGGATTCTGCAAAACCACTATGA

141673 GTTCAGGCCACAGACTGGATGGCTCAGCATCGCCAGGCATCCTGCCCTCTTTTGTGCAG
TCACATCAGTCATTTCCCTCTGGCACATTGTGAGCATCCCATCTCTTTCAATTGTTTT
CAGGAAAACCTTGTGAGCCCACTTGGGTCCACAATCAATGGACCCTCCTCCAAATCTTA
TGGCTTATAGTATTCTCAAACCTGAAATGCACCTTGATTGCCTATGAATCTTGTTAAGAT

FIGURE 3, page 126 of 141

GCAGATTCTGATTCAATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTTCTTTTTTTTTT
 [-, T]
 ATTTTTATTTATTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTG
 CAGTGGCGGGATCTCGGCTCAATGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGC
 CTCAGCCTCCCAAGTAGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTG
 TATTTTTAGTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCT
 CGTGATCCGCCCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCC

141688 CTGGATGGCTCAGCATCGCCAGGCATCCTGCCCTCTTTTGTGCAGTCACATCAGTCATTT
 CCCTCTGGCACATTGTGAGCATCCCATCTCTTTCAATTGTTTTAGGAAAACCTTGTC
 AGCCCACTTGGGTCCACAATCAATGGACCCTCCTCCAAATCTTATGGCTTATAGTATTC
 TCAAACTTGAAATGCACCTTGATTGCCTATGAATCTGTTAAGATGCAGATTCTGATTCA
 ATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTTCTTTTTTTTTTATTTTTATTTATTT
 [T, A]
 TTTTTTTTTGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCGGGATCTC
 GGCTCACTGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGCCTCAGCCTCCCAAGT
 AGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTGTATTTTTAGTAGAGA
 CGGGGTTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCC
 TCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGGCGATGTTGCAT

141736 CATCAGTCATTTCCCTCTGGCACATTGTGAGCATCCCATCTCTTTCAATTGTTTTAG
 GAAAACCTTGTCAGCCCACTTGGGTCCACAATCAATGGACCCTCCTCCAAATCTTATGG
 CTTATAGTATTTCTCAAACCTGAAATGCACCTTGATTGCCTATGAATCTGTTAAGATGCA
 GATTCTGATTCAATTAGTCCAGGGTGCAGCCTGAGATGTTGCATTTCTTTTTTTTTTAT
 TTTTATTTATTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCA
 [G, C]
 TGGCGGGATCTCGGCTCACTGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGCCTC
 AGCCTCCCAAGTAGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTGTAT
 TTTTAGTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGT
 GATCCGCCCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGG
 CCGATGTTGCATTTCTTATAATCCCTCTGCTAATTCCTATGCTGCTGGTCTGTTCCCTAT

141982 TTATTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCG
 GGATCTCGGCTCACTGCAAGCTCCGCTCCCGGGTTCACGCCATTCTCCTGCCTCAGCCT
 CCCAAGTAGCTGGGACTACAGGCGCCGCCACTACGCCCGGCTAATTTTTTGTATTTTTTA
 GTAGAGACGGGGTTTACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCC
 GCCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGCGGAT
 [T, C, G]
 TTGCATTTCTTATAATCCCTCTGCTAATTCCTATGCTGCTGGTCTGTTTCTATGTATAC
 CTTGATTAATAATGAATAGAAAATGGGCCTCCTGAAAGCAGCACTTCACTCTAGATGAA
 GAAAGACTTGGAAAACCACTGCTGAACAGACTTTGTCTAATCTCTTTAGGAAAAAACAC
 ATTTAAAAGGAATGGAAGAAAAGGAGGAGCAACCTGAGGGAAGACTTTCTTGTTCACCCC
 AGGACGAGGATGAAGAGAGGTGGCAAGGAGGGAAGAGGCAAGTTTAAATCATATTACAA

150406 CAGCACCCACGGACATCTCAAAATAAGTAAACCGCTGGGAAGGCTATATGTCATCCCAT
 GGATCATCACTTAGCTAAATATAAATCATATAGTAGTTATTATACTAAAGGTCATGCTAA
 TAAGGCAGAGGGCATCCTTAAGTGGCCTTCTTGGGTATCATGGCTCAGATTTGGAACA
 AATCAATTAAGCAGAAAATTAATAAGTATCAATCATAGCTTTAAGGTTGGATAGAAACA
 AATGTAATAGAGTAAACCTTATAGAATGTGTGTTTCAGACAGTGCTCTGCATATACCAC
 [G, C]
 GTATGGTTTTCTTTAGTTGATGAATTTATTTTCCATGCATGCAGGTTTCACAGTTGTGC
 TCCATACTTATGTGCTTACCCTTGGAGAACATTGTTATGATGGCCAAAGAAAGCTAAGC
 TGCCATATGAAAGGAATCTTTCAGATCTGCCTTTGAGTCTGACTTTCCCATGTGATTG
 CACTGTGATTTTTAAGGAACATAATTTCTGTCTATGTCAGTTTTCAAATTTGTTTTTCATC
 AATAAAATGCAGTTAGTAATACCAATCTGAAAAATTTACTGTATTAAGTGAGACAACATG

150903 AACATAATTTCTGTCATCTGCAGTTTTCAAATTTGTTTTTCATCAATAAAATGCAGTTAG
 TAATACCAATCTGAAAAATTTACTGTATTAAAGTGAGACAACATGTATTTGATATAACACA
 TATGTTAACATACAGTAACATACATGTCTGTACTGTATTTGCTCAATCAGTGACAGGA
 GCTATTACTACCAAAACAGATATAGAATGGTTAGATGGTGCTTATCACCTCTTGTCTACT
 TGTTAGAATCGGACTTATCTTTTAAGACCCAGCTCAAAGACGTCCTCCTTGATTTCGACGT
 [G, C]
 AGAAGATGTCTCCTACCAGGACTCTTTGACTAATCTCCCTGATCATTTTTCTCCTTTCTT

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AGAACATATCCTATGCTGCCTTACAGTACTGAGGTTGTGAACCTGACTGTTGCCCTAGCG
TAGGTTGAAAACTGGGATGTCTTTGTTAACAAGTCTTTGGAAAGCACTTTAAAAAGAAT
AGTAAGTAGTTATATTATAAAAAATTACAGACACAGGATGAACAACAACATACAAAAAAC
TATTCAAAATATCACTCACGTGAATACAGTCATGTACTGCTTAATGACAGGAATATGTTCT

152612 GTTGTGTGGCAGTGTGATAGTATTAAGAGGTGGGGTCATTAAGAGGCAATTCATCATGAG
GACTCCCTCCTTATGAATGGGATTAAGTGCCCTTATCAAAGGGCTTGATGGAGTGAGTTC
ATCCCTCTGTTCTTCTACCTTCCACCATGTGAGGACACAGTGTTCCTTCACTGCAGAGG
ATCAAGCAATAATACGCCATGTTGGCAGCAGGGAGCAGCCCTTACCACACAACCGAACCT
GCTGTTGCCTTGATCTTGGACTTCCCAGCCTCCAGGACTGTGAGAAATAAATTTATGTTT
[T, C]
TTATAAATTACCCAGTCCGTGGTATTTTGTGACAATAGCACAGATAGGCTAAGAAAAGGA
CAGAACTTGTACTGACAGTTTCTTATGCAGATTTCAAGGAGAGCTTTATCTGAAAAATAT
GAGCTGGAAGTAAGGAGTTGCACAACCATAGTCATGACAAGGACACTTAGTCTGTATGC
ATGTGAGGAGTTTAAATAATTGTATTTTCATGAAATTTTCAAGTGGGAAAAAGCAGTAGC
TCTAAATATTTTATATAATATGGGAACATAAGTTTAAATTTGTTACTAAATTAACAATGT

153900 TGGGTGAACACTACTGATCTTACCACAACAGTCTATCTTAGTTACCTGACTCTGAAATTA
GGGTAATGAACAAAACCCAAATATATAATTGAATCATGTGAAATTTATGTTCCAATTAGA
TAGAGAAACAAATACCTTTATTCTTTTACAAAATAATATATTGACTTGTACCAAATGAA
CTATTATAAAATAGGCTTATTTCTTCATATTCTATCATAAACTGATGACAAAAACAATA
TTTTATTTAGTTTTAAATTTCTGATTAACCTAAAAAGCAAAATATAATTAAAAAGGA
[G, A]
TGAGCTATAAATCCCTTGTACCTAGGTCAGCAGGCGTATTTGTTACAGCAGCAAGTGTA
GCCTAGCCTGACCAATACAATTGAGAAATATCATATTGTACTTTACAGAATCAAAGACAC
CATCAATTTTGAGATGAATCATTATATTATATATCATTAATAAACTACTGTCCATGAAA
TTATGATATGCGTCTATTTTAAGATGCATCTCCATTTCAAGAGGTGTTCAAATGTGCAAT
ATATGTGAGGCATTTATTAAGTTGGTCTTGAATCTCTTAATTCAGTCTATAATATGTAA

158595 GTAATCCTCCCAAGGCTCCTTGGGATGTGTCTGCCTAAGAACTACTGGGAATTAAGGG
TTGTATGAAGTATAGTCTGTATTACAGGTGCACACTTGTTCCTTTGTTTGTATCAGTTA
GTCTCCCCATGGAATTCATGACAGCACTTCCATATGACAGAACGTTAGCAAATATTGGT
TGAATCACTATTTTAAATAACAGGCCCTAGTAGGGCCATTACGTGAAATATTTTCTTAG
TGTTGTGTTGACTGGATCCTCTGGAAGCAGATAATAGGACAGAGTTAGAAGTATAAGA
[G, T]
CTGTAATAGGGTAAAGTCTGTTGAAAGAAAACCTGATAGAAAGATTGGGAGTAGGCAGAGA
ACCTTCAGACTATGATGCAGGTCTGACACCTGTGAAAGGCAAGCAGGAAGGAAAACAGAC
TGGGCAAGAAGAGTCTCAGACAGCACTGGAGCTCTGAGACAGCCTCATTCAAGCCCAATGG
GTGGCTTTGAACCAGCTTTTACTGGTTCAAAGATTTCCCATAGAGGAATCCCATTGGA
CAGAAATGCTATTCCCTACTGTCCCCACCAACTCAAATGCTCAACTGATCCCCAATATC

162718 ACCAAGGATTGCCAACAGCCACCAGAAGCTAGGAAGGAGGGGAGGCCTGGAACAGATTCT
TCCTCAGAGCTTCCAGAAGGAACCAACCCTGCCAGTGCCCTGATTTTGGACTTCTGACCT
CCAGAATTGTGAGAGAATAAATTTCTGTTGTTTAAAGTACCAAATTTGTGGGACTTCAT
TACAGCAGGCCCTAGGAAACTAAAACACTTCTTGTCTTAGTCTGTTCAAGCTGTTGTAACA
AAATACCATAGACTAGGTGGCTTATAAACAACAGAAATTTATTTATTACCATTCTGGAGA
[-, C]
TGGGAAATCCAACATCAATGCATTGGCAGATTCAGTGTCTGGCAAGGGCCTATTTTCTGG
TTCATAGATGATGACTTCTCACTGCATCTTTTATAAGGGTACTAATCCCATTCATGAAGC
CTCCATTCTCACAATCTCATCCCCCTCAAAGGCTCCAACCTTCTAATATCATCACATTGG
TGATTACGTTTCAACATATCAATTTAGGGGAGACACAAACATTAACCAAAACCATTTC
TTTATTCACTTTAAAAACATAAACCCCTTTTATCTCATTTTGTATAGCAGTCAAGAGAAC

164528 AAAGGTGAGTTGGAAAAAGCCTTAGTGTACAGACTTCTTTAACAGCAGGAAATCAATTA
ATAGTATCTAAAAGTGAAACACATAGCCAAATAAAGATACAATGACTGCAGCCTCTTCAC
ATTGTTATAATTATATTCTTATCCTTACAGAGGTATGTTATTAACATAATATCTCTTTGTG
GTAAAGGAACAATTATCTAAAGTTCAGCAACTACTCAGTTTCAGTTTTTCTTTGATAAT
TTCAAAAATACATTTAATACCTAGAAAAATAATACTGTATTGATTTCTCATTGCCGCT
[G, A]
TAACAAATAATCACAACTTAGTGGCTTAAGCAATGCAATGGACTCTCTTACAGCTCTG
GAGATTAAGTCCAGATTGGTCTCACTGGGCTAAAATCAAGATGTCACTGGCCTGCAT
TCCTTCTGGAGGCTCTAGTGACCTTGCTGTTTCCAGCTCATAGAGCTCCTGCATTCCCTGG
TTTGTGCCCTCCTTCTCTATTTTCAAAGCTAGCAACACTGGACCAAGCCCTTCTGATGC

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TGCCATCTCTCTGGTTCTCCCTCTTCTGTGCTGTGCCCTCTTCTATTTTTAAGGACTCTT

165214 TTAACCTCTGCTTTGCCATGTAAGATAACATATTCAAAAACCTCTGGGGATTAGGATGTGAA
CATTGTTTTGGGGGTTATTCTTCTGCTACTACAAATACTCTGAATTCTGATAAAAAAAT
ACAATGTTTAAAAAGAGAGTTAAGGACAGTCTTTTCAACAAATGATATTAGGAAGACTGG
ATATCTCATGCAAAAGAATAAAGCTAGACCCTTACCTCATACCAAAAATTTAAATTTAAAA
TAGATCAAAAACCTAAACTATAAAAACACATAGAAGAAAGCTCATGACATTGGATATGA
[C, G]
AGTAATTTTATTGATATGACACCAAAAGTACCAGCAACAAAAGAAAACATAAACATGGATT
TCATCAAAATGAGAAATTTTATGTATCAAAGAACAGTATCAACATAGTAAAGTGGCAAC
CCACAGAACGGGAGAGAATATTTGCCAAAGCACATATCCAATAAGGGATTAAATATCCAGAA
TATATAAAGAAGCTCTTGAAAACAACAACAAATCAAACAGCCCAATTAAAAAATGGACAAA
AGATTTGAATAGAAATTTCTCCAAGAAGATATACAGATGGCCAATAAGCACATAAAATG

166052 TTCCACATGTGATTATATACCCTCCAAAATTGAAAGCAGGGTCTCAAAGAGATATTTGTA
TACCGATGTTTACAGCAGCACTATTACCATAGCCAAAAGGTGAAAACAACCTCAAATGTC
CATTGATGGATGAATGGATAAACAAGTATAACATACATAACAATGGAATATTATTTCAGCC
TTGAAAAGGAAGAAAATTTCTGATACATGCCACCATGTAATGAACCTTGAAGACATTATGC
TACATGCAATAAGCCAGACACAAGGGGACAAATATTGCATAATTCTGCTTTAATGAGCTA
[C, T]
GTATAGCAGCCAAAATCATAGAGACAGAAAGTAGAACTGTGGTTGTGAGGGTCTTGGGGG
AAGGAAGTAAATGGGGAGTTATTGTTTTCATGGTACAGAGTTTCCATTGGAAGATAAAAA
GTTCTGGACAGGGATGGTGGTGTGTTGCACAACAGTGTGATGGTGTGGTAAATCGGCTG
GTGTCCCCAGCTACTGAATAAACTCTAGGTAGCAGCTTTCAAACCTTTTGGCACCAGGA
CACCTTAACACGCTTAAAAATTTGCTTGGGACACTGAAGAGCTTTTGTTCATGGTTATA

170782 CTTAGGGATTCTTAGTCAGCCTAGGAAATCCAGCTAGTCCTGTCTCTGAGTACCCCTCT
CAACAGGAAAACCAAGTGCTGTTGGGGAGGATGGCCGATGACTGCTCTAACTGCTTCCT
GCTGAATTGGGGCGTAGTGGGGGTTATGCAGTTGAGATTTCTCTGGAGGGGTGCCTTCG
ATGTCATTAAACATCGGAGCATGGGCTAGCAGGCCGGTCCAGGGGTCTGCGGTAGATCTTA
GTCATGGACTGCGTCTGGGGCTCCATTTGAAGAACAATTTGTAGTTTTCAGCTTCAATT
[T, C]
TGGAAGAGACAACTTAAACAAGGAGGTTAAAGATACAGGGATTGAAATGTATGGCCTGAA
GTGCAGGGGATTATTTCTTTGGGACACTTCACAGGCCCTGACTATCTGCTTGATAGTTTT
GAAAAGGCCTGGCCAGTAAATAATAATTTGGCCATCTGATGGGTACTATCAATGCCTAA
GTGGAAGGTTAGGTGAAGGTTTTAAGTAATTTCTATTGGTTAGCTGCAGGCAAAATATT
TTTCCTTCTCTGGTGGCTAGCCATCTGGAGGGGAGGGAAGTATGTCCTCGTGAGGTTCCC

171439 TACTAGGGGTCTTCTATAAGCATTTCTAATGGAGGGTCTGCCTTGCAGCTCTTTTGAC
TTCATATCTGCTTGGCGGTTCCCTTCTATTTCCCTTTCCTTTCCTTTCCTGATGATGATG
GCAGTGTAAGACTGCCACCTCTTCAGGTTTCTGTACAGCCAATAATAATCTCCTAATGGC
TTCTGATGTTTGATAGGTGTTCCCTCGAAATTAGGAATTCCTTTCTCTCATATTGCT
GCAATGGGCATGGAGGACTAGTAAAGCATACTTAGAGTCTGTATATATATTTACCCTTTTT
[C, T]
CCTTCTCCTAATTCTAGTGCCCGAGTGAGGGCTGTTAGTTTTGCCAGCTGAGCACTAGTT
CCTGGAGTGAGGGGTTTACTTTCAAGTATTCCATTATCACTGACCACTGCATACCCTGCT
TTTCAAAGTCCTTTTCTACAAAGGAACCTCCATCAGTATACAAGCTGAGGTGCGGATCA
GTCAAAGGACCCCTCAAAGGTCCTTCAAGTGGCATAGGTTTGAAGCAATTACTTGTGA
CAGTTACATTCTATCTTTTCTTATTGTCTGGAAGAAATGTGGCTGGGTTAAGAGTTGCA

175068 TTTGGTATTGTTTGGGAGGTATCATTTTTAGTAGAAACAAAGGAAATGAGAGAGCAAACTC
TGTACATATCTAGGGGAAATGTTCTCTCTGACAGAAATGTGCCTCTCCTTTTACCCAGCA
TTTTCTTGTAGTAGTTTATCATCCAGAAATACCTCTACAACTTTGCAAAGTTATGTGTT
CACCACAACATTGAAGTGTGTAAGTAAATTTAGGTTGAGAGTTTATCATGAGTGGAGATT
TTTCTCTGAGCAAAATGCTAAACAGCAGGTTGTAGGAATGTCCCTCCAGTCATTTTTTTTT
[-, T]
CTTTCTGGCAGGCATCCTGTATAACTACTCCAGACCAATTTAATGTTAATTTCTCATGAA
ATCCTACAGCACATGAGAAATGTAAATTCAGATTTTTATTTTATTTTATTTTATTTTGAG
ACAGAGTCTCGTTCTGTCGCCAGGCTGGAGCGCAGTGGCACAATCTCTGCTCGCTGCAA
TCTCTGCCTCACCGGATTCAAGCGATTCTCTGCCTCAGCCTCCTGAATAGCTGGGATTGT
AGGTGTGCACAACACACCTGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTACCA

178314 TACTACAATGCAAATGTACAACACATCTATTCTCCCTACTCATTAAATAGGCCAAAATT

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212346 TTCTAGAGATTGACTTTTTCAGCCATGACCTGGAGGATGGAAAGGAGCCAGCCCTTGATGG
GACAAAAGGGAACCTGGGAGAAGAGTGTCTCACAGAGAGGGAACAGAGAGTGAGGGAAGC
TCCAGGTCATGAAAACCTGGGCGCGTTCCAGAACTGCATAGTGAGCAAAAAGATCATAG
TGAGCAAAAAGATCTTGGGGATGATAGAGATATTCTTTACCTTGCTTTAGGTGGCATATA
CACAGGTGTATACATTTTGAAGCTCATAGAATTGTACCCTTAAGATCTTGCATTTAC
[G, T]
ATGTGCAAAATTTTATCTCAATAAAAAATAATGCATCATTAATAATTACATCAAAAAAGAA
AACTACAAAAAACTACAACAGAGTTGCAATATTCATGTAGATAGATGAGCTCTATAGG
TCTGCAGCCTGCATTGAGGCCACTTCTGGCTGCTTGTGGACAGTGCCTGGCCACAGCTT
CAAGAAGGTCTGGATACACTCAAATGAAGCCTCTCAGGAAAAAAAACATGGGTCCAGA
GTGACTCTGGGTGAGGAGGGAAGAGGAGGGTTTTGCATGATTTGGTGGGATTTACTT

216030 GAGGAAGGAGACTTGAAGAACATTTAAGTTTCATCAACAAAGAAGCCGTTGTTATTTTCAC
AGCATTTGAAAATCTGGCTTCCCAGCACTTGGCTGAGATGACTGAAGGCTGGTGACACTG
TAATTTGGCATCTAGCAAGATGCAGTTACTCTCTCAGGCCACTTAGCTCCAGTAAAGTTC
AATTTAAATTATGAAACAGGGAAGAAATGCAAAAGTTCCAATCAGCAGCATAATTCTCAA
TCACACTGGCCATAATATGCTCCTGAAAGATGTTTTCTTTGACTGAATCTTTGCTACGCC
[C, T]
GGCTGATTTTTGTATTTTTAGTCAAGTCGGGGTTTGACCATGTTGGCCAGTCTGGTCTTG
AACTTCTGACCTCAGGTGATCTGCCCACCTTGGACTCCCAAAATGCTGGGATTACAGGCG
TGAGCCACTTGCCCCAGCCATAAATCTTAATTTTCTTAGTATAACCACAAACCTGAAA
ATAATTAATACTTTTCCCAGATCATTAGGATGCTGTTTTGGATTATTTCAAGCCTGCTTG
GTGGAGGACAAATTTATTTGTATTGAAGACAATATTTTAATCAAATACAGTTCTGTGA

216597 AAGACAATATTTTTAATCAAATACAGTTCTGTGATTTCCCCAACCGTTATGGGGGAAGTC
TGACTCTTAATGAGGGTTAAGGTAAATGACGAGTGGTATTCTTAGATTTAGCACTCCTTG
AAGACCATACATTTCCAAAGAAGAGCTAGTTGTTCTCCAAGGGAAGAAATGCATTAGATT
TCTGCTGTATTGACTAAATTGTAAATTGAATAAAATATTTCTTTTATTCTAATAGCATTT
ACTATGTTTTATAGATTTAATATGTATTTATTATAGATAATTTGGAAAAGACATAAGCACA
[C, G]
GAAGGAGACAATAAAGATCACTCATAATTTAATCTTTTAGTCAAAACCACTGCTAACATT
TTTTTGTATGTTTTTGCCATGACAGATAGAGCAATAAATCTAGAGATTGTTATGGAGAGA
GTGATGTAGATATACATAAAGTTATTTTTCTTTTTAAAAATAGGATTATACTGAAATAAT
TTTGGAACCAGATTTTTTTTTTCGCCTAAATGTAGTAAGAACATTTTCCATGTTATTAAG
TATCCTTCTACCATACAGGGAATAAACATTTCTCCCTATTTTGACAGGACAGTGATA

218212 CTTAGATTAGATGACTAATTTTCAATCTAGGCTCCTTAGAGACCTCCAGGATGAGGGGTT
GGTGGTACTAAGCAGCATGAGAACAGAAGCTGTGTCTGTACTGCTCATCTCTATTTTTCC
AGAGTCTAACACTGTGTCTGGTGCAGCAGAGGCTCTTTAAAAATATTTTAAAAATATTTGT
GGTCGAAGGTGGTGGCTCACACCTGTAATCCCAACGTTTTGGGAGGCTGAGGTGGGAGGA
TCACTCGAGGTGAGGAGTTTGAGACCAGTCTGGGCAACATAGCAAGACCCCGTCTCTAAC
[A, C]
AAATTTTTTAAATTCAGCCAGGCATGATAGCCTGTGCCTGGAGTCCTAACTCCATGGGA
TGCTGAAACTAGGAGATTCTTTGAGCCCAAGAGATTTAGGCTGCGGTGAGTTGTGATTAT
ACCACTGTACTTCAGCCTGGGTGCTAGAGTGAGACCCTATCTCAAAAAATATATATTATG
TTATAATTTCTATAAAGTAAAGGGGTACAGTGCAGTTTTCTTACACAGATATATTGCACA
GTGGTAAAGTCTGGGCTTTTGGTGAATCATCACCTGAATATGGTACATTATACCCATTA

225907 ATCCGGGGACAATTTAAGCTTAAGTATGTCAGAGTATAAGCTTTTTCACTTCAAAATGAA
ACCTCTGTGAATTGAACTAGGCTTTACTCATGCTCATTATCTGCCTAGGCACTTTGGTAA
TGCCCAAGGTGCCCTGCAGAGCATGTCAAGATATGTATGTATCTTCTACAAACATCTTCAAG
AGCTTCTTCTATCTCTTAACCAGAGAAGAAAGAAAAACAGACATACACATGTCTTTCTG
GTAATTTCAACCAAGAAATTTTAACTTCGAAACCCTGAAAATGCTGTGTGTAGTGGCTT
[-, G]
ACCCCATTCCTGACCCCAATTTAGTTTGAATTCCTACTTGGAACAGGGACAGTGATATTTT
TCTTTCTTACATCACAGATGAGTGGACTTAATGAATGAGTAGCATTTGTGTGGCTTCAG
GAGATCCTGAAGATGACTTTTTGCATTTCAAGTTCAGTGTATTAGTCTCCTTTATAGCAT
CAAGGTGAGATTAAAGCCTTGAGATCAGTGATTTTCACTTGGGCATGCATCTGAATTA
CCTAGAGGGCTTAAATACAGGTTTGGTATGTGTCCAAGAATTTGTATTTCTGACAACTT

229343 ATACTCAGTTGTTTTACACTTCTGAGCTTTCACACTGCTTGATCCTTTCTAGAGAATGCT
TCCCCTCCCGACTGCTTGGCAGCTCTACTTCTATCTTTCTATTTCATTCAATTAAGTGATTA

FIGURE 3, page 133 of 141

TTGAAAAAAGTTGTATGCCATACTATGTGTTGGCCTCTGAGAATATTTCACTGAACAC
AACCTTGGCCTGCCCTCACAAACACCAGAATTACAAACCTTCTACTTCTCTGTAAAGCTT
TCCTTGGGTTGCCAACTGATTAGACCATGTCCAAATAAGGCAATGCCAGCTGTAACCA
[G,A]
TAAAGCTGGTTCATACCTCACTTCCATTTTCTATCGATAAATGCTGCTTGCCTGCAGAA
TAGAGTTCTCCAAACCTCTTGTGGTCTGAGGGCTGTCCAATTCATAAATCATTTCTTGC
TTAAATAAACAGTTAAATTTGTCTCCAAAGGCTGGGAAGGAGAGAAGAGAGGAAGATAAG
AAGAGATTGGTCAATGAGTATAAAGTTAAAATTAGATAGGAGGAGTAAATTTCCGGTATTC
TATTGCACAGTTGGGTGACCGTGGTTAGCAATATCATATTGTACATTTCAAATGGCTAG

230880 GTGCCACTATGCCTGGCTAATTTTTTTTTTTTTTTGTATTTTTTTGTAGAGATGGGGTTTT
GCCATGTTGCTCAGGCTGGTCTTGAACCCCTGGGCTCAAGTGGTTCACCTGACTCAGCCT
CCCAAAGTGTGGGATTACAGATGTGAACCTACCATGTCCAGCCAAATTCATCTTACTGGC
AGAGGCTGGTCATATTTCTACACCCTAATTACATGGGAGACTGGTAAGTTAGTCTTCCGC
ATTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCACAAAGTAAAAGATTCCCCTTACAAG
[G,A]
GAAATGAGAATGTAAGGCCAAAAATAACAAATATTTACTATATTAATGAGCTCCACTGTT
GTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAGGAGAGATGGCCCTTGCGGTGT
CTTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGCTAAGGAGTACATGATACCAGGT
AATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAGTGAGAGCTACATGCTTCCCCC
GCAATTGTGAGGATTACATTCTAATGAAAAGTGAGAACGCATCCTGGTGGTAATGTAA

230881 TGCCACTATGCCTGGCTAATTTTTTTTTTTTTTTGTATTTTTTTGTAGAGATGGGGTTTTG
CCATGTTGCTCAGGCTGGTCTTGAACCCCTGGGCTCAAGTGGTTCACCTGACTCAGCCTC
CCAAAGTGTGGGATTACAGATGTGAACCTACCATGTCCAGCCAAATTCATCTTACTGGCA
GAGGCTGGTCATATTTCTACACCCTAATTACATGGGAGACTGGTAAGTTAGTCTTCCGCA
TTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCACAAAGTAAAAGATTCCCCTTACAAGG
[G,A]
AAATGAGAATGTAAGGCCAAAAATAACAAATATTTACTATATTAATGAGCTCCACTGTTG
TAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAGGAGAGATGGCCCTTGCGGTGTC
TTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGCTAAGGAGTACATGATACCAGGTA
ATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAGTGAGAGCTACATGCTTCCCCG
CAATTGTGAGGATTACATTCTAATGAAAAGTGAGAACGCATCCTGGTGGTAATGTAA

231039 AGCCAAATTCATCTTACTGGCAGAGGCTGGTCATATTTCTACACCCTAATTACATGGGAG
ACTGGTAAGTTAGTCTTTCGGCATTTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCAGAA
GTAAAAGATTCCCCTTACAGGGAAATGAGAATGTAAGGCCAAAAATAACAAATATTTAC
TATATTAATGAGCTCCACTGTTGTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAA
GGAGAGATGGCCCTTGCGGTGTCTTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGC
[T,A]
AAGGAGTACATGATACCAGGTAATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAG
TGAGAGCTACATGCTTCCCCCGCAATTGTCAGGATTACATTCTAATGAAAAGTGAGAAC
GCATCCTGGTGGTAATGTAACTAGTACAACCCTATGGAAAACAGTATGGAGATTCCTT
AAAGAACTAAATGTAGAACTACCATTCAATCCAGCAATCTCACTACTGGGTATCTACCCA
AAGGAAAAGAAGTCATTATATGAAAAAGATACTTACACATGCATGTTTATAGCAGCGAT

231100 CTGGTAAGTTAGTCTTTCGGCATTTCATGGCTTTAATGGGAGCCAGGCTCTGTCTCACAAAG
TAAAAGATTCCCCTTACAAGGGAAATGAGAATGTAAGGCCAAAAATAACAAATATTTACT
ATATTAATGAGCTCCACTGTTGTAAGGATAGAATTTTAGGAATAACTAGAGATGTGAAAG
GAGAGATGGCCCTTGCGGTGTCTTGTGGAACATCTCCTCTTTTGGCTTTCATAGAAGCT
AAGGAGTACATGATACCAGGTAATCATTTTTCAATTTATCTTCTGTTCTGCTGACGATAG
[T,A]
GAGAGCTACATGCTTCCCCCGCAATTGTCAGGATTACATTCTAATGAAAAGTGAGAACG
CATCCTGGTGGTAATGTAACTAGTACAACCCTATGGAAAACAGTATGGAGATTCCTTA
AAGAACTAAATGTAGAACTACCATTCAATCCAGCAATCTCACTACTGGGTATCTACCCA
AGGAAAAGAAGTCATTATATGAAAAAGATACTTACACATGCATGTTTATAGCAGCGATT
GCAAAAATATGGAACCAGCATAAATGTTTCATCAACCAATGAGTAAAGAAAATGTGGTATA

231711 CACCATGGAACACTACTCATCCATAAAAAAGAACAAATAATGGCATGCACAGCAACCTG
GATAGAGTTAGAGGGGCCATTATTCTAAGTGAAGTAACCTCAGGAATGGAAAACCAACAT
CATATGTTCTCACTTATAAGTGGGAGCTAAGCTGTGGGGACACAAAGGCAGAATGATATA
ATGGACTCTGGGACTCAGGGGGAAGGGTGGGAGGGGTGAGGAATAAAAGACTACACAT
GGGGCACAGTACACACTGCTTAGTGATGGGTGCACCCAAATCTCAGAAACCATCACTAA

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[C,T,A]
 GAACTTATCCATATAGCCAAAAACCACCTGTTCCCCAAAACTATTGAAATAAAATAAA
 CAAAAATTTTAAAAACTTAAAAAAGAGAAGGAAGTACTGCTGATACACTTTCCTTAAGT
 ATTTGAATCAGTCTTGAAGCCAGATCAACCTCCTATTACAGAAAAGCAGGTTTGT
 AAAGCTAAATTTCTTCATGTTGGCAGATAAGAATAATTAACCTCCCCAACATTGGCTAG
 TGTCTCCACAGGGAAGCACAAATGAAAAAGTTAGGGTCTGGCTCCACAAATCTCATCT

232431 GAATTTCCAACTCCTTAACTCTTGTGTTTTTAATCATCTATAAAATTCAGGTGAATAT
 TTGCAGTGTGAAATAACCATAATAAAAAATATTTTATTTTCTATCTTCTGGTATTTATCAT
 ATTTCTTATAAGTAGCAAGTTTGCTTTTCCCAAGTTGATCCACTTTTCCCACTATTTA
 ATTTTGGTGTAGGCAGTGGAGTCTTATTGATACACTGAGAAGCTGCTCCATGCAAAGCAT
 TGTGGTGGACATCATGGGGAGGTAGTGTAAATTTGCCTTGGGTCTTTGTAGCAATAATG
 [C,T]
 ACCTTTATATATAAGTTTAAATATACATTTAAGCTTTACTAGAGCCATAGAAGATAGGATT
 CTTTTTTTTGTGTCAATGAGGCAACTGAGTCACAGATTTTACCTTTCCAAACATCACAG
 AATCAAGATTCAAACCCAGTCTCTAAGCCAGCTCACATACTTGTCTAATATGCCCA
 GCTCCCTTCTACTGGAAAGCATTTGAGGTTGTTCTCTCTAGACCATCTTCTTCTTTT
 CCTCTGTGCTTTTCTACTCCAGCATCCTAATGTGGTTTGGCATTGACACCGCTGATGCC

232503 ATAACCATAATAAAATATTTTATTTTCTATCTTCTGGTATTTATCATATTTCTTATAAG
 TAGCAAGTTTGTCTTTTCCCAAGTTGATCCACTTTTCCCACTATTTAATTTTGGTGTAG
 GCAGTGGAGTCTTATTGATACACTGAGAAGCTGCTCCATGCAAAGCATTGTGGTGGACAT
 CATGGGGAGGTAGTGTAAATTTGCCTTGGGTCTTTTGTAGCAATAATGCACCTTTATATA
 TAAGTTTAAATATACATTTAAGCTTTACTAGAGCCATAGAAGATAGGATTCTTTTTTTGT
 [G,A]
 TCAATGAGGCAACTGAGTCACAGATTTTACCTTTCCAAACATCACAGAATCAAGATTCA
 AACCAAGTCTCTAAGCCAGCTCACATACTTGTCTAATATGCCCAAGCTCCCTTCCTA
 CTGGAAAGCATTTGAGGTTGTTCTCTCTAGACCATCTTCTTCTTTTCTCTCTGTGCTT
 TTCTACTCCAGCATCCTAATGTGGTTTGGCATTGACACCGCTGATGCCACAGGGTTGACA
 ACAACTTCTTTGGCAGTGGCTTCTGCCCTGTACCAATAAAATCAATTCTCTGAAAGAGCT

233364 AGTGATGAAGGCCTGACAAGCCTTAGCCAAACCCTCAGAGAGCTCCAGTCCCATGGGTGT
 TGCCAGCAAAGGCCATAATGGTTAGGTTCTCTACCTCTACCATGATCAGTCATTAAAGGT
 TGCTACTTGGAGGGGCATGATTTGGGGGAAGGCAGCTTCTGAGGCTGAAGAATTCCTG
 AAGGGGCCACAGCTGGAGGCTGTCTACTCCCAACAGCTGGGGTAGCAAGTTCTTCTCTCA
 AGGAGGATCTGCATAGTGCATCTCCATTTCTGGGGTGTGAGGTGTGAGGTGAGGCAGT
 [A,G]
 CAGAGACTACCCTGTTTTGCAGATTCTTCGACAGTTTTGTTGCCATTCTGATGTCCACTA
 TTGTACAGGAGAAGCTCAAGGAAAAATCTTCACCAAGTTTGTGTGAGCTAAGCCTCTCA
 GCAGAGTAGAGCAGCTTTCACAGTGCCCTGCTGATTACAGCCCCCTCATAATAAGTCATG
 GGGCTGTCTGAGAGGTGGAGAAATGAGATGGAAGACATAATGATCACCCCAAAATTT
 CAACCTTTTAGAGGGGAAGTTCTGTCTGATGATCTTATTTTTTTTTTAATTATCACATGAA

233423 TTGCCAGCAAAGGCCATAATGGTTAGGTTCTCTACCTCTACCATGATCAGTCATTAAAGG
 TTGCTACTTGGAGGGGCATGATTTGGGGGAAGGCAGCTTCTGAGGCTGAAGAATTCCT
 GAAGGGGCCACAGCTGGAGGCTGTCTACTCCCAACAGCTGGGGTAGCAAGTTCTTCTCTC
 AAGGAGGATCTGCATAGTGCATCTCCATTTCTGGGGTGTGAGGTGTGAGGTGAGGCAG
 TACAGAGACTACCCTGTTTTGCAGATTCTTCGACAGTTTTGTTGCCATTCTGATGTCCAC
 [C,T]
 ATTTGTACAGGAGAAGCTCAAGGAAAAATCTTCACCAAGTTTGTGTGAGCTAAGCCTCTC
 AGCAGAGTAGAGCAGCTTTCACAGTGCCCTGCTGATTACAGCCCCCTCATAATAAGTCAT
 GGGGCTGTCTGAGAGGTGGAGAAATGAGATGGAAGACATAATGATCACCCCAAAATTT
 TCAACCTTTTAGAGGGGAAGTTCTGTCTGATGATCTTATTTTTTTTTTAATTATCACATGA
 AACTCGTTATTTGGTTGTGGCACTTCTATGGGATGTTAGAGCACTCATTTGGGAGTCAGG

251180 CTCCACAGCCTTCCCCATTGTTACATAAGCAAAGGCAAGATCTAGTTAAGAAAGAACCTT
 CCAGCTCAGTAAGTAGTGCCTGAAGGCTTACTTAGTGTGTGACAGTTTAAAGGATATCAGG
 CAAATGACTTTGTCTCTCTCTATGAAGAAGTTGGGTGGCAACACACCTGGTGATCATG
 CTGCCATCCTTCTCAAGTTCTTAACTGGGGGCCCTGGGGCTTTGTAAGTATTAATAT
 ATGCGATGTCAGGCATAGAGTAGACCCTAGCACAGTGGTCAGAAGGGAAGATGCAGGGGG
 [C,A]
 AAGCTGCTGGGATTTATATCCCTCCTTGCCACTGACTAATATGTGTCTTGGACAAGTTA
 ACCAACTCTTTGGGCCTCAGATTTCTCATCTGTGAAGTGGGACTAATAATGATTTTTTGC

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CTCATAGAGTTGTTGTTAGGGTGAGTTGAGATAATGTATGAAATGCACTAAGAATAGTTT
ATGGCACATAGTAAGTGCTCAGTAAATGTTAACAACCTTAGACTCTCAATATATGTGTGGT
TGCTTCACTTTGAAATCCCCAAGCCAAGTGTCTGAAGGTGTTGACATGTGTTGTGATG

251291 GATATCAGGCAAATGACTTTGTGCTCTCCTCTATGAAGAAGTTGGGTGGCAACACACCTG
GTGATCATGTGCCATCCTTCTCCAAGTTCTCTAACTGGGGGCCCTGGGGCTTTGTAAG
TATTAATATATGCGATGTGAGGCATAGAGTAGACCCTAGCACAGTGGTCAGAAGGGAAGA
TGCAGGGGGCAAGCTGCTGGGATTTATATCCCTCCTTGCCACTGACTAATATGTGTCTT
GGACAAGTTAACCAAACCTTTGGGCCCTCAGATTTCTCATCTGTGAAGTGGGACTAATAA
[T, C]
GATTTTGGCCTCATAGAGTTGTTGTTAGGGTGAGTTGAGATAATGTATGAAATGCACTAA
GAATAGTTTATGGCACATAGTAAGTGCTCAGTAAATGTTAACAACCTTAGACTCTCAATAT
ATGTGTGGTTGCTTCACTTTGAAATCCCCAAGCCAAGTGTCTGAAGGTGTTGACATGTG
TTTGTGATGTTTATACCTGAGGGCATTGGTAAGTGAAGCAGCTGTTGTTAAGACATGC
ATGTAGTATCTTTTAGCATGCGAAAAGTGCTAGTGCCAATTCTCTGAGAAAATGCCATG

256969 CTAGATCTCATCAGGAACCTCTAAAGAAGCCTCTTAATTACCACAGGCCTTTTATGTACCT
GGCATCATGCTCTGGAACCTATTTGTTTTCATTTGGTAGCCATAAGTACAAACCAACTCA
CCTTAGAGATGCAGAAGCTGTGATTCAAGAGGTTAAGTTAAACACCCAAGACCAAAGCT
GGCTTCTAGGGTTGGTCTGTCTGCTGTCTATTTTTATGCCCTTTCACATGCTTTTCTGAA
TTGGCAGGTATTGGTATTTGTATTTTGACAGCATCTCATTTCTGAGCTCAGGCTATTAC
[-, T]
GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATCACTAGAATGTACTATTTTACTATTT
CAAGATTTCCAAGTGCTTTTATGAACAAAGCTCATTCTGTTTCACTGATTGAAGTAACCTT
TTAATGGAGAAACAGATGCAGTGATGGTTCTTTTCTCATTCCTTTTCCAAATCTCATTGA
AAAAGTGCTAGTTGTACCTCCAACATTCCCTTTTAAAATAAAAGGTCAGTATCAGGCAG
TGTTTCTGAAGAACTGCTGATTGAAATCAGCATTTCAATTTCAAACAACAAAAGTTTG

260787 AGCCCTAGTATTGCCCACTCCATATGAAATAGCAGTTTTTTCTGTCCATCTGTGCCAT
GGAAGCTGGACTGCAGGGAAAGGTAATCTCATAGGAGCAGGCATGCTCTTTGGTGCAGCC
AAGGATTGTTTCAGCAGACACAGAGATCCCTGCCTCCAGAACAGAGGTAAGGGTGTATCA
TGGGAATGGGACCCATGGCCACTTTATCTGTTTCAAGGATGGTCCAAAGATGTTTCTTT
GTTTGTGTTGTTTGTGTTTTCAGACAAGGTCTCACTCTGTCTATCCGGGCTGGGGTGCAGTGGT
[A, G]
TGATCTCAGCTCACTGCAACCTCCGCCTCCTGGGTTCAAGCAATCCTCCCACCTCAGCCT
CCTGAGTAGCTGGGATTACAGGCATGCGCCACCACGCCTGGCTAATTTTACATTTTATAG
TAGAGATGGGGTTTCGCCATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATC
CACCTGCCTCGGCCTCCCAAAGTGGTGGGATTACAGGAGTGAGCCACTGCGCCCTGCCAA
AGATCTTTGTTTCAAGCCTACTTGTATCTAAGATTTTAAAGCCCCGGGGATATCTGAAT

261903 TTTGTCCTGAGTGTGTTCTGATTTCATGCTGTTGATTTCAATTAAGGATATGACAAGAAA
TATTGTACCTTCTGTATCATGCCATGTTTTCAGGTCTTCTCCTCCACATTGCAATGTT
CTCTTTCTCTGCTGCCTTAGTATCTGGGAAGCTGTTTTCCTGAGTAGCAGGTTTGTGTTT
TAATCCTAGGGTTTGAGTTGGTGAGCATACTGATCATCTTTTCTGCTTTGGCCACTAGGA
ATCATAGAATCAAATTTACCTCTGTCTTCAAGATTATATGGTATGCATTCTTTCTTTCT
[-, T]
TTTTTTTTTTTTTTTTTGGAGACGGAGTTTCACTCTTGTTGCCAGGCTGGAGTGCAATGG
GGTGATCTAGGCTCACCACAGCCTCCGCCTCCAGGTTCAAGCGATTCTCCTGCCTCAGC
CTCCTGAGTACCTAGGATTATAGGCATGCACCACCGTGCCTGGCTAATTTTGTATTTTGA
GTAGAGATGGGGTTTCTCCATGTAGGTCTGACTTGTCTCGAACTCCCGACCTCAGGTGAT
CCACCCGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGCGCCCCGCCT

262224 ACGGAGTTTCACTCTTGTTGCCAGGCTGGAGTGCAATGGGGTGATCTAGGCTCACCACA
GCCTCCGCCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCTGAGTACCTAGGATTA
TAGGCATGCACCACCGTGCCTGGCTAATTTTGTATTTTATAGAGATGGGGTTTCTCCA
TGTAGGTCTGACTTGTCTCGAACTCCCGACCTCAGGTGATCCACCCGCCTTGGCCTCCCA
AAGTGCTGGGATTACAGGCATGAGCCACCGCGCCCCGCTATATGGTATGCATTCTGTG
[T, C]
TAATCTTACTCTTAGATTATGACTTTCCTGACTTATTTTTCTCTACCCTGATTTCAAC
TAATTAGTTTAATGTTTGTATAGTATAATATATGTTCTTTTAGGCTTCCTCAAATGCTT
TGTGAAATGCAAGGGTAGATAGTAATAAATAAATTGCAGAACTATAAAACGGAGATTAAA
AACATTCCTTTCCCTCCCAGATTAAAGCTACTCATCAGAACTCATCAGAAAAATCAGGT
GTATTAGTCTGCTCGGGTTGCCATAACAAAGTACCATAACCAAGTTGCTTAAACAACAGA

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263740 CACCAGCAGTTAAAACACAGGGCCTTTGATTGAAGCAGACAACTGAGTGAGTTTCCAGG
AGGTCTGAAGAAAGCCAACTCATTATCCAGGTCTCTGAACAGACAAATAATTATGAGACA
CTGAAATGTATTTTCCCATGCAAGTCAGAAATGGCTCAGCCTCTGTTTTGCACTGTTAAT
TACACTATTGGGCAGAGCCCTGTACAGTTCTTGGTCATAGACTTACCCTTGATGCCTGG
CAGCATGGGTAGGAACTGAGCTAATGTGTGGTCTGACTTACATCAAATGTGTGCACC
[C, T]
TCACCAGTGTGAGGTCAAAAATGAGAGGCAAGAGGAATTTTACACATAGCAGGAGTGCCT
CTGCTGTTGTATCAGCTCGTAAGAGAAAAGAAGGCAGAAATATTTTGCAGTGTATTTGT
CAGCAGCAATGTTCTGATCTCAAGAAATGTGATGTTCTCCATGGTGAAAATCAGTGAAC
TAGCTGAGACTTGAGAGAAGCAGGGAGAATGCAGCTTACATAAGCCCAGGCTGCTACCCA
GGTCAGGGGTCTGTCTCCTTTGTCTCTTGCCAAAGTCATTGTTGACTAGACAATTGTCA

283403 TGGATGTTGAGTAAATTAAGGAAGTGGGTCTTTTGCCAGACAGCCTGAAGAATTCTATAA
ATAAACTACCCCTTTTGTTCAGAAATAAGAGGGTAAAACATTTTATTTTAAAAGGCACTT
GAGCTCAGGAGCTTGAGATCAACCTAGACAGCATAGCAAGAGTCATTCTTACTAAAAAT
AAAAAGACAAATTAATCAAGCTTGGTGGCACATGCCTGTAGTCCCAGCTACTCAGGAGGC
TGAGGCAGGAGGATCGGTTGAGCTTGAGAGAGTGAAGCTGCAGTAAGCTATGATCATGCC
[A, C]
CTGCACTCCAGCCTGGGTGAGAGAATGAGACCATGTTTAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAACAACCTGTAGATATGATTACATGATTTCTTATTGCATTTTCTAT
CGAAAAAAAAAGACACATGATTTAGACAGGATTCATTGGTTCAGTCCGATTCCCCAGCAC
AAAGTTCAGTGCTCAATAAATAGCTGTTGGGTGAGTGAATAGATGAATGAATGAAATATG
AGGTCATAAAAAGTATTTATTTCTTATTGTACCCTTGAGTCTCCAAAAGTTTGCTCACTA

285709 TGGGTAACGTATCTTAGGAAAATGTTAGAACCTGCCATAGTTACCAGGTATATATAGAAA
AGCTCGGAAGGCAACCAGGCCACAGTCACCCAAGAAGACATGGGTTTGTCCATAAAATT
TGAATTGTCCAGAGAGGGCATGTAAAGCCAAAATGGGGAAGGGTGGAGTTGGATGAGGA
TGTGTCATTGCCCTGAGATGTTAGGAGCACGGTCTTTAAGTCAGGAGACTTGGACTCC
GATTTTCTTCTGCCACTAAACAATTTTATGATCTTGGGCAGGTTGCTTTACCTCTCAAGG
[T, A]
TTAATTTAGTCATCTATAAAATGTGGATAACAATGCCTGCTTTCCAGGGTTGAAATAATT
AGATAACACGTTAAGTGATTAGCATAATGGACTCATGGAAGCCATGACCTTGGGGCAAT
GGGGGAGTGAGGGTGGGATAATCATTGTAGACATGAGCCATTTTACAGATGAAACAAGT
ATCTTCTAAGCTTCAACATATGTACAGAGAAGACCTAGAATCCAAATTTCTGAGAACTA
GTCAGGCAATTTATGTATAGTGTGGGTACCAGGGTGAGTGTGGGCTCCAGGGCTCCTTC

288934 TTTCTGACTCTAGTCTTCATGTTGTATATTACATCTTTAGACTATTTCATCCTACCTGCAA
CTGTGTATGCTTTGACTTACATCTTCCATTTAATCCCTCCCCCAACAGCCACCATTCT
ATTCTCTGTTTCTATGTGCTGTATGCAATCTGTTTTCTTTTTTTAGATTCCGATCATGCA
GTATTTTTCTTTCTGTGTCTGGCTTATTTCACTTAGCACAATGTCTCTAAGTTCATCCA
CGCTGTCACAAGTGGCAGGATCTCCTCTTTTAAAGCTGAATAATATTCCTGTGTGTGTG
[-, T]
GTGTGTGTGTGTGTGTGTATTTCATCCATCAGTAAACACAGGTTGTTTCTATATCTTGC
CATGCTTCTTTTTTTTTTTTCTTCACTTTTAAAGTTCGGGGTACATGTGCAGGATGTGC
AGGTTTGTACACAGGTAAACATGTCCATGGTGGTTTGTGTCACAGATCATCCCATCAT
CCAGGTATTAAGCCAGCATCCATTAGTTATTTTCTGATGCTATCCCTCCCCACCAA
CCCCGCAGGCCCCAGTGTGTGTTGTTCCACCCCTGTGTCCATGTATTCTCATTATTTCG

288954 GTTGTATATTACATCTTTAGACTATTTCATCCTACCTGCAACTGTGTATGCTTTGACTTAC
ATCTTCCCATTAAATCCCTCCCCCAACAGCCACCATTCTATTCTCTGTTTCTATGTGCT
GTATGCAATCTGTTTCTTTTTTTAGATTCCGATCATGCAGTATTTTTCTTTCTGTGTCT
GGCTTATTTCACTTAGCACAATGTCTCTAAGTTCATCCACGCTGTCAAGTGGCAGGA
TCTCCTCTTTTTTAAAGCTGAATAATATTCCTGTGTGTGTGTGTGTGTGTGTGTGTGTG
[-, T]
ATTCATCCATCAGTAAACACAGGTTGTTTCTATATCTTGCCATGCTTCTTTTTTTTTTT
CTTCAACTTTTTAAGTTCGGGGTACATGTGCAGGATGTGCAGGTTTGTACACAGGTAAA
CATGTGCCATGGTGGTTTGTGTCACAGATCATCCCATCATCCAGGTATTAAGCCAGCAT
CCATTAGTTATTTTTCTGATGCTATCCCTCCCCACCAACCCCCGACAGGCCCCAGTGT
GTGTTGTTCACCCCTGTGTCCATGTATTCTCATTATTTCGGCTTCCACTTGAAGTGAGA

292710 TGCCAAATTGATTTCCATACTCCACAAAGATTTTAAATATAATCAATTTTTTCTAATGTG
ACTTGTTATTAAGTCATTTATTTAACAACTTTTACATTTGAAAGAAAATACTTATTA

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ATGCCTACTGTGTGCTAAGCTCCCTTGGCACTCACTAGGCACATCATTACAAATAAGCAT
GATTCTCTACTTTACTACTCAAAGTGTGATATTGGGCTGGTATGGGAAAAACAGACATTGA
AACACACAATTACACTGTGATGCAGTTCAAGGCTGTCATAGAATTATGCCAGAGTGCCAT
[G, A]
GAGACTCAGCATGCTTATAGTATGATTGTAATAATTAACCAAAAAGGGACTACTTTGCTT
TGAAATATTCAAATACTCTCCACCTTCCAAGTAGAGTGGTGGTAACTTGGTGGTGGGTC
TGTAGGGGAAATATCTTCTTCTTACTCTATCAGAGTTTACCTGACTGTGACAAGGAA
GTAGAAAAGAACTTGCCCTAATTTTTGGTGTCAAAGTCTAGCACCATTATATCTACCT
TTCTTTCACACATGCAAAAAATAATCTCCTTCAAGGACACATACATTATCTCTGAATCT

295600 TCACAATAGCAAAGACATGGAATCAACCTAGGTGCTCATCAGTGGGGGACTGGATAAAGA
AAATGTGGTAAATATACACCATGGAATATGCTGCAGCCATAAAAAAGAATGTAATCATGT
CCTTTGCAGCAACATGGATGCAGCTGGAGACCATTATTCTAAGCAAATTATTGTAGGAAC
AGAAACCAGATACCACATGTTGTCACTTATAGGCAATGAAGACCACTAGAGGAGGGAGGA
AGAGAAGGGGAAAGTGTGAAAACTGTTGAGTACTATGCTTGCTATCTGGGTGATCGGG
[G, A, C]
CATTATATCCCAAACCTCAGCATCACACAATATACAGTATACCCATGTAACAAACCTGC
ACATGTATGCATGCCCCCAAATCTAAAATAAAGTTGCAATTATATTTTTAAAAAGCTAGT
TCATAGTTGTAACACTTTCTAGAGTCTTGCTACTATAAATGTAATCACTGCTCAACATC
ACTAATCATCAGAGAAATGCAAACCAGAGCCTGTGTTTCTCGAACTCTAATGTGTATATG
AAGAACTTGGGTCTCATTAATGCAGATTGTGATTAGTAGGTCTGAGGAGGGGTGAGAG

295679 CATGGAATATGCTGCAGCCATAAAAAAGAATGTAATCATGTCTTTGCAGCAACATGGAT
GCAGCTGGAGACCATTATTCTAAGCAAATTATTGTAGGAACAGAAACCAGATACCACATG
TTGTCACTTATAGGCAATGAAGACCACTAGAGGAGGGAGGAAGAGAAGGGGAAAGTGTG
AAAACTGTTGAGTACTATGCTTGCTATCTGGGTGATCGGGCCATTATATCCCAAACCT
CAGCATCACACAATATACAGTATACCCATGTAACAAACCTGCACATGTATGCATGCCCC
[T, C, A]
AATCTAAAATAAAGTTGCAATTATATTTTTAAAAAGCTAGTTTATAGTTGTAACACTTT
CTAGAGTCTTGCTACTATAAATGTAATCACTGCTCAACATCACTAATCATCAGAGAAATG
CAAACCAGAGCCTGTGTTTCTCGAACTCTAATGTGTATATGAAGAAGTGGGTCTCATT
AAATGCAGATTGTGATTAGTAGGTCTGAGGAGGGGTGAGAGATTCTGCATGTCTAAGCAG
CTCACATGTGATGCAATGCTGCTGGTGGGATCACGTTTCCTTGAGGCTTCAGCAGAGCAT

296323 ACCCTGTGGGTACATACTGAGCACTGATGAAGAGGCCCCGCTCCCTTCATTGTCCTT
GCTCTCTCCTTGTGTAATCTTCTCTTCTGTAATGGGATTAAACAAACCCATGTAGAGA
GTCCACTGAATGGCAGAACTTACAGTTTCCAGTTAGAGGAACTTTGGAGATTATATGA
TCTAACTTGTTCCTCTCCTCTGCATCACATCTTATGTCTGAAAGCCCATGCCTGAGAT
CCTACTCACTGAGTGTGAGTTGTTATTCTCATCTCATTCCATCAGACCTAAGAAAGCTT
[T, G]
GCAGAATAAGGGCCTCTTGCAATGTTTTCAAATACGTGGAAGTAGCTAGGACAAACAAA
CAAACCATTTGCTCAAAAATCACTCAGCAAAACCCACCTTAACGAGGAATTTCTCTTTTG
GCTTCAGAAAGCAATTAAGAACTCAGCATTCTAGGCAAAAAGCTTTAGCAGTTCCCT
CTTGTTCTTTCTCACCACAGCAGGTGCTAAAGCACAGCTCAGTCTTGATTATCCCTTCT
GTCAAGAGCAGGTGTCAGCCTCAATTATTGTTTTGCAATTCATTTAGTCATTTAATGC

299119 AATATAACAACCTTATGATAAAGTTGGGATAATCATAAAAAAGAGATTGCATACATTTGTT
TGCAATTAGGAACAGTCACCATAATTTAGTGGTAGCAAAGCTAATGTGAATTTGAAATC
TTCTTACTACCTGCTGCAATTACAATGTACAAACATCAAAAAACAAAACAAACTTCC
AGTGACACACTGGTGAAAGAACCAGTGTAGTACAGTACAGTCTCGAGTTGTTACTACTTA
ATTGCTATTGTTATTTATTTAAATTTATACTGTGTGAGAAAAGTGTATTATGAAAACATA
[C, T]
AGTTAGCTAAAAAGTTGTGATTGGATGCCAGATTGATAAATGAGCAGTTTACTCTGCAAA
TAAGTGCAAACTCAGCTATGAGCTTTTCAAGTGGTCTAGACAAACAGAGAAACCTGCCTAC
TAGTTTCTTAGTAGACAACCTTATGATAAAGTTGGAATTGTGATGAAAAGACATTGCACA
CATTGTTGTTGTTGTAGATTAGAAACAGAGCTCTAATCTACAACCTCTCAGTAGGAGAGC
TGGATTTTCTTGGCTCTAAATTTTGGGAAGAATTAATCACAGAATCCTTATGTAATG

300404 TTTTGGGAAAGTGATTAAGTCATGAGGGCAGAGCCCTCAGGAATGGATTAAACCTTTAC
AAAAGAGGTCTCAGAGAGATAATTGCCCCCTTTTGGCCGTCTAAGCTTTCTTCCCTCCA
GAGGACACAGCAAAAAAGTGCCATCTTGAAGCAGAGGGAGCAGCTCCCACCAGACAGCA
AATCTGCTAGCACCTTGACCTGGACCTTGGACTTCCAGCCTCCAGAAGCTGAGAAATA
AATCTAATATTTATAAATTACCTCTTCCATAGTATTTAAGCAGCACAGCAAGCAACTAAGA

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[T, G]
 GCCCTGCCTTACCTGGGATTCCACAAGTCTCTGCCAGATGGCCCCAAGCCCATTTCTACA
 GTCTGTGAGCCTCTGCCTTGCTTCCCTTTGTCTGTATTGTGAGTTGCGAGACCCTGGGA
 AGCCCAAGGGTGGTGCACAGTGGCTGTTTGCAGAAGGTATGGATAAATATTAGACATAA
 GGGCTGCAGTATCATATGTGTACAAGAACTTCCTCTCAATGGGAGTTGGAGCCAGGCTGA
 GAAGAGACGGGCACAGGCCAGGAGACAGGGATCAGGGACCCAAGGGCTGGCTTGCACAGC

303906 GTCTGGAGTTTAGGAGAGAAGTGACAAGTGCATATTTGAGAACCAACAGTTTAAGGGAGG
 ATTTAAAGTCATGAACTAGATGACCCACCTTGGGAGAGAATGTGGATAGAGGACAGAAG
 AAGTCTAGGGATCAGGGAGATATGGAGGAACAAGCATAGTCAAATCAGAGAAGATCATTT
 TGGGGAAAATATTGGAGGACCTTGTTAAGTTTCTTGAGTCTTCTTCCAATTTCTAAAA
 TTAAATCATCCTATTTGAAGAGTCTGTCATCATTTACTGATTTTCAGTTTTTTGGT
 [G, A]
 ATTGACCTAATGCTCAGATCCTTTCTTATCAATGACAGCACAAGATTCCAACATGGTTTT
 CTTACATAGTCCATTTTGTTGCTGTAACAGAACACCACAATCTGAGTAATTTATAAA
 GAAAATAAATTTGTTTCTCACAGTTCTGGAGGCTGGGAAGTCAAATATCAAGGTGCCAGC
 ATCTGGTAAGGGCCATCTTGCTACATCATCCCATGGCAGAAGTCGGAAGGGCAAGAGAGA
 GGGGAAAAGAGAGAAGGAAGGGGGGGGCAAAATCATCCTTTTATCAGGAACCCACTCC

304170 CTGTCATCATTTGTTACTGATTTTTTCAGTTTTTTGGTGATTGACCTAATGCTCAGATCCTT
 TCTTATCAATGACAGCACAGATTCCAACATGGTTTTCTTACATAGTCCATTTTGTGTT
 GCTGTAACAGAACACCACAATCTGAGTAATTTATAAAGAAAATAAATTTGTTTCTCACAG
 TTCTGGAGGCTGGGAAGTCAAATATCAAGGTGCCAGCATCTGGTAAGGGCCATCTTGCTA
 CATCATCCCATGGCAGAAGTCGGAAGGGCAAGAGAGAGGGGAAAAGAGAGAAGGAAGGGG
 [-, G]
 GGGGGCAAAATCATCCTTTTATCAGGAACCCACTCCTACAATAACTAACCCTCCATAA
 TAACAGCATTAATCCATTCTAAGGCAGAGCCCTCAAGACCAAATTAATTTCTTACAGGTC
 CCACCTCTTAACACTGCTGCAATGGGAATTAAGTTTCCAACACATGAACCTTGGGGGACA
 CATTATGCACTATGTGACATCCTGCATCTGCAAGTTTTGCAGTGCCATTTAATGAAGT
 CAGTTTACTTTGCACTTGCATTTGTGTTTACCCTGTCACAGCTCACCGGTAACAGAACT

304657 TGCATATGTGACATCCTGCATCTGCAAGTTTTGCAGTGCCATTTTAAATGAAGTCAGTTT
 ACTTTGCACTTGCATTTTGTGTTTACCCTGTCACAGCTCACCGGTAACAGAACTCTTAGT
 GTGATGGACAGAGATAGAACTAGCATTACAGCAAAGAGGCAGTTTTCAGGGTGGACTAAT
 TTTATACACAACCATTTATCAGTAGATATTTTAAAGTTCTGATGCTTTAAAAATCCTTGT
 AAATTTGGGGGCTTGAGTAATGAATATTAGATGATAATGACCTTCCGGGTATCCATTAAA
 [C, T]
 CATTAGCAATGTCTCCAGTTTGTAAAGAATTAATAGATATTTAAAAATCAGAAGGAGGGCA
 GCCAAGATGGCCGAATAGGAACAGCTCTGGTCTACACCTCCAGCGTGAGCGACGCAGAA
 TACGGGTGATTTTGCATTTCCATCTGAGGTACCAGGTTCTCTCACTAGGGAGTGCCAG
 ACAGTGGGCGCAGGACAGTGGGTGCAGCGCACCGTGCGTGAGCCGAAGCAGGGCGAGCAA
 GGCATTGCCTCACTCGGGAAGCGCAAGGGGTGAGGGAGTTCCCTTTCTAGTCAAAGAAA

304771 CTTAGTGTGATGGACAGAGATAGAACTAGCATTAGCAAAGAGGCAGTTTTCAGGGTGG
 ACTAATTTTATACACAACCATTTATCAGTAGATATTTTTAAGTTCTGATGCTTTAAAAAT
 CCTTGTAATTTGGGGGCTTGAGTAATGAATATTAGATGATAATGACCTTCCGGGTATCC
 ATTAACCATTAGCAATGTCTCCAGTTTGTAAAGAATTAATAGATATTTAAAAATCAGAAG
 GAGGGCAGCCAAGATGGCCGAATAGGAACAGCTCTGGTCTACACCTCCAGCGTGAGCGA
 [C, T]
 GCAGAATACGGGTGATTTCTGCATTTCCATCTGAGGTACCAGGTTCTCTCACTAGGGAG
 TGCCAGACAGTGGGCGCAGGACAGTGGGTGCAGCGCACCGTGCGTGAGCCGAAGCAGGGC
 GAGCAAGGCATTGCCTCACTCGGGAAGCGCAAGGGGTGAGGGAGTTCCCTTTCTAGTCA
 AAGAAAGGGGTGACAGACGGCACCTGGAATAATCGGGTCACTCCACCTAATACTGCGCT
 TTTCCGACGGGCTTAAAAACGGTGCATAGGAGATTATATCCCACTGGCTCGGAGG

312311 TATGACATTCTGGAAGGCAAACTGAAGGAACAAAACAGGTGAGTTATACCAAGGG
 GTGGAGGGAGGACTTGTTTACAAAAGGATATGAGGGAATTTCTGGAGTGTGATGAAATTGC
 TCTGTATCTCAGTTGAGGTGTGAGTTAGATGGCTGAATGAGTTTATCCAACTCATAGAG
 CTGTACATTCAAAGAAGAAATTTTGTATATATATTTTTTTATCAATTTAAAAATATA
 TAAAAATAAAGAGGGAATCCCAAGATGAAATAAAAACAAAACATTCCTGGGACTTAA
 [G, T, C]
 AGACTCTTTGAAAAACAAGTTTTCTTATTTTCCCTCCTTTCCCTGAGAAAGAATTAC
 TCATGATTGAAAGCCCTTAAAAAGAATTTGCTTACTCAGATATTATTTTTAAAGGAGTG

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AAATTCATGACTCACAAAGTGTCTATTTTCTTCTGGCTTTTAAGTCATTTTTTACTTCAT
TTTTTCAACAAATAATTATCGATCACCTATAAGCAAAGAATGTCTTCCTGAGCTCTCACT
TATAATTGAACATTTAGAGCTGAAGGAATCCTTAGAAATCAGTTAGTCTACATTGCAGAT

313434 ATCCTTTAGGCTAATACATAAAAGGATGGATGACCAGAGGGTAAGAGCTGGTAAATCCCA
AAGGCGTGAGCAATGCAAATTGAGGGACATTCTAGCATCCAGATCATTGAAGGAACTAA
AGAGACATGACAAGTAAATGGAACCTCATGATTATTTGAATGCTTTGTTATCAGGCAGTG
TTATTGGACAATTGGGGGAAATCTGAATGTTTCCATATACAAGATAACAGAATCAGATCT
ATTAATGTGAATTTCTGATTCTGGTGGCAGTTTTGTGGTTATGTAGAAGTGTTCATT
[T, C]
GTACAAAATACACACAAAGTATGAGTGGGGGACATTGGGGTAGCAACTTATTCTCAAAAG
ACTCAGGGACAAAATAGTTCTTTATACTATTCTGTAACTTTTCTGTAAGTATGGGATTC
AAAATTAATAATATTTAAATATGAGGACATTTTAGATATTATCCTTATAAACTAAG
CAGCTATGGCTGTATTCTTTAGAGCCCTTATTAGATAGAGATAAATAATTAGAGGGTACA
CAGCATAGTCTATAATTGATGGGCAAATAAGTAGATGTGATAAATGTATTTTTTATAA

313997 GCAAATAAGTAGATGTGATAAAATGTATTTTTTATAAATGAAAGGTAAGCACAGGAAGA
GGTAATAAAGGAATTTGGAGGATGAGAGATTGAGTTTGGAGGAAATGGGCAGGGGAGAGA
AGAAGAGCTTTCTGGTGTAAATAGTTTTTCATCAGCAAGGGAGTCAGCCAAACACGTA
TTCGGGATGTGACCCAAGCAGTTCAAATTTTGAACATTAGGGAACCTTCCTTCAGGAC
TCCTGTGTCAAGGGACCATTATCCAGCCCAACGAGCACTGTCTGAGAGTCTGAAACCT
[-, G]
GACTCTAGTCCCCTATTTGTCCCCAAGTCCAATTCAATCTTGGGCAAAACAACCTGTAA
ATGAAGTATTTGGACTAAAATGATGTTTGACAATCCCTAAAAAATTTAAAGGCTTTTGT
TTCTTGAAGAAATGATAAAATTTAGAAAGGAAATGCACCATAGAAAGAAATAGAAAACA
ATGAAAATATAAATCTTTTTATTTGAGATACCCAGCTAACTAAAGGAATAGTTCTGCCC
ACCCCATGTCCCTCTCTTTGAAAAGGAAACATAGGAACTCTTTTAAATTTGAACAGCACA

322343 CAGTTTCTTCATCTGTAAATAGGGATTTAAAAAATTGCCTCCTTCGTACAGCTGTTGTA
AAGCTTAAGTGTGATTGAAAGGGCAAAGTGAGTAGAAAAGGACCTGGCAAGTGGCAAACA
AACTATTCTCCCCCTCATTTTCTCCTCCTCCTCCTCATTATTATTTGTTATTATTAA
CTATTCTGCATTTTATATCCCACCATCCTGTTTCCCTTTGTTCTACTAACTCCAGCCAC
AATAGCTTTCTGTTATTTTTCCAATATGTTTTCAGCTTAGGGCCAAAATTCTTTTGCCC
[T, C]
TAGTATTTGTCTTACTTCTGAGAGCTTTTGTCTCAAATGACACTTCCTCAGAAGGATTTT
CCTGTCCGCCTCACCTGCTTTTCTTCATTGCACCTAGAACCATCTGATATCTTATGTG
TATATGTGTATATATACATACGTTTATATATAACACATCTGTGTGTATATCTGTGTATTAT
ATATATATACACACACAAGGGCAGGACTTTGCCTAACTTGTCTACTGTATATTTCCAGT
TCCTTGAAGGGTACCTGGCACATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAA

322893 GGTACCTGGCACATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAAATGTTTAGG
GTGGAGATATTGTGCCTTTTCTTCCCCCTTTTTTCTAAATCCCAGAATGACAATGTTTG
TAAATCAATGATTTAAAGCAGATTTTCTGCAGGTGATCTTAATGTGTAACCTTTGT
AATCTTTGTAACCTTTTTGACAGATCAGCCATGCAGAAGCTGGGGACAGAAGTATTGA
AGAGGTCTATAATTACCTCAAGAGAGCAAGGCATCAGAATGCTAGCGAAGCAGAGATCCG
[C, T]
GAGTGTTTGAAAAAGTGGTGCCTCAAGCCAGCGACTGTTTTGAAGTGGACCAGCTCCTG
TACTTTGAAGAGCAGTTGCTGATCAGATGGGAAAAGAACCTACTCTCCAGAACCATCTC
TAGGCAACTATCAAAAAGAGCAGAAGTTCAAGTGGACAAATTTATGTGAAAATTCATTT
AACATATAAGCTGAACCTCTATTATGGGGAATGGATACAAAAGCAGAGCTCCCATCTTGAC
TTTCAATTCCTCATCAGAAGTACTGGCTTCTTTAGAGAGTAGTAAGCATGGCTGCCTATG

322905 ATAATAGACATTGAGGCATTATTTGTTGAATACTGTTAAATGTTTAGGGTGGAGATATTG
TGCCTTTTCTTCCCCCTTTTTTCTAAATCCCAGAATGACAATGTTTGTAAAATCAATGA
TTTAAAGCACATTTTCTGCAGGTGATCTTAATGTGTAACCTTTGTAATCTTTTGTA
CTTTTGTGACAGATCAGCCATGCAGAAGCTGGGGACAGAAGTATTGAAGAGGTCTATAA
TTACCTCAAGAGAGCAAGGCATCAGAATGCTAGCGAAGCAGAGATCCGCGAGTGTGGA
[A, G]
AAAGTGGTGCCTCAAGCCAGCGACTGTTTTGAAGTGGACCAGCTCCTGTACTTTGAAGAG
CAGTTGCTGATCAGATGGGAAAAGAACCTACTCTCCAGAACCATCTCTAGGCAACTATC
AAAAAGAGCAGAAGTTCAAGTGGACAAATTTATGTGAAAATTCATTTAACATATAAGCT
GAACCTCTATTATGGGGAATGGATACAAAAGCAGAGCTCCCATCTGACTTTCAATTCCTC
ATCAGAAGTACTGGCTTCTTTAGAGAGTAGTAAGCATGGCTGCCTATGCTTGGAGTCATA

FIGURE 3, page 140 of 141

325770 TTGGAAGGTGGTATGAGGACTTCCAAGAAGGGTCCAAAGACTTCAAATGCTTCACAGTGA
 ATATAAGCAAGTAGTGACTGGGGTGGAGTGGTAGGTGAGTCAGTGTGAATAACTTGAGAG
 AACTTAATGGGCTTATTTTAAGGACAAAGGGGCATGGCCACTGTGCCCTAACACTCTATC
 CTGTGGCTTCACTTCTATCCCTGCCCAGCAACCAAAGGAACCACCCAGGTGAACCCACAA
 TTTCTCTAGTGCTCAAGGGTTATGAACATCACTCTTCTGAGTTCCCACTCCCTTACA
 [T,C]
 TATAGAGAGGTTTTGGGGGCTGCACAAAACCTTCATTCTGCCTCTTCCCAAAGCTAATGAT
 GCCCATTCTCACCCCTCTCTCCCTGCATACTGGAGAATTATTCTGGCTGGGAGGCTGGGG
 GTCAGGAGCATGTCTGTGCTCTCACAGCCCCTGTGTCTGCAGCAGGAAAAGCAGACCTCA
 AATACTGCTTCTGGAGGTGGGATCTGAGACTTTTCAGAATTGGAACCTGAGTGTGTTTC
 CCAG

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